# PATENT FILES

File 344:Chinese Patents Abs Jan 1985-2006/Jan
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File 347:JAPIO Dec 1976-2007/Oct(Updated 080129)
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File 350:Derwent WPIX 1963-2008/UD=200820
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File 324:GERMAN PATENTS FULLTEXT 1967-200812
(c) 2008 UNIVENTIO/THOMSON
File 348:EUROPEAN PATENTS 1978-2007/ 200812
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File 349:PCT FULLTEXT 1979-2008/UB=20080306UT=20080228
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Set Items Description
S1 3788088 ORDER OR ORDERS OR ORDERING
S2 238796 PURCHASE OR PURCHASES OR PURCHASING
S3 48324 (S1 OR S2)(5N)(ONLINE OR ON()LINE OR COMPUTERI? OR AUTOMAT-E? OR ELECTRONIC?)
S4 13048 (S1 OR S2)(5N)INTERNET
S5 6182 WOM OR WEB(1W)ORDER()MANAGEMENT
S6 2970500 REAL()TIME OR REALTIME OR INTERACTIV? OR ITERATIVE? OR BAC-K()FORTH OR BACKWARD()FORWARD OR DYNAMIC? OR SIMULTAN? OR CUR-RENT? OF INSTANT? OR IMMEDIAT? OR INSTANTAN? OR ON(1W)FLY
S7 5852 TRADE()(CLIENT?? OR CUSTOMER??) OR TRADER OR TRADERS
S8 65629 VENDOR? OR SELLER? OR MERCHANT?
S9 25165 CUSTOMER()SPECIFIC OR BUYER??
S10 21874 TRUCKLOAD? OR (TRUCK OR FULL OR TRAILER??)(1W)(LOAD OR LOA-DS)
S11 18792 QUALITY(3N)(ORDER OR ORDERS)
S12 330 S11(5N)(CREAT? OR GENERAT?)
S13 38 S11(5N)(VALID? OR AUTHENTICAT? OR APPROV? OR AUTHORIZ? OR -AUTHORIS?)
S14 1423 (ONLINE OR ON()LINE)(5N)(SESSION OR SESSIONS)
S15 210 S14(5N)(ONE OR SINGLE OR SAME OR SOLE)
S16 3 AU=(PETON, P? OR PETONG P? OR PATRICE(2)PETONG)
S17 64060 S3 OR S4 OR S5
S18 32476 S17 AND S6
S19 7348 S18 AND (S7:S9)
S20 72 S19 AND (S10 OR S12 OR S13)
S21 4 S20 AND S15
S22 2 S16 AND S10
?

# YOUR CASE

**21/3,K/1 (Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
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0012687490
WPI ACC NO: 2002-538229/200257
XRPX Acc No: N2002-426235

Real time , customer specific Web Order Management ( WOM ) **system**
Patent Assignee: PROCTER & GAMBLE CO (PROC)
Inventor: PETONG P
**Patent Family** (4 patents, 99 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---|---|---|---|---|---|---|
| WO 2002056148 | A2 | 20020718 | WO 2002US722 | A | 20020110 | 200257 B |
| AU 2002241844 | A1 | 20020724 | AU 2002241844 | A | 20020110 | 200427 E |
| EP 1410141 | A2 | 20040421 | EP 2002707437 | A | 20020110 | 200427 E |
| | | | WO 2002US722 | A | 20020110 | |
| US 20050049926 | A1 | 20050303 | US 2001261491 | P | 20010112 | 200517 E |
| | | | WO 2002US722 | A | 20020110 | |
| | | | US 2003617462 | A | 20030711 | |

Priority Applications (no., kind, date): US 2001261491 P 20010112; WO 2002US722 A 20020110; US 2003617462 A 20030711
**Patent Details**

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|---|---|---|---|---|---|
| WO 2002056148 | A2 | EN | 58 | 13 | |

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Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW
AU 2002241844 A1 EN Based on OPI patent WO 2002056148
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US 20050049926 A1 EN Related to Provisional US 2001261491
Continuation of application WO 2002US722

Real time , customer specific Web Order Management ( WOM ) **system**
**Original Titles:**
... **CUSTOMER SPECIFIC WEB ORDER MANAGEMENT** SYSTEM WHICH PROVIDES **REAL TIME " QUALITY ORDER " VALIDATION**
...

... **Customer specific web order management** system which provides **real time " quality order " validation**
...

... **CUSTOMER SPECIFIC WEB ORDER MANAGEMENT** SYSTEM WHICH PROVIDES **REAL TIME " QUALITY ORDER " VALIDATION**

**Alerting Abstract** ...NOVELTY - **Buyers** can order at any time when it is convenient for them, and the **WOM** system will assist the **buyer** in **creating** a quality **order** during a **single on - line session** , so that the **buyer** is made aware in substantially **real time** that the order needs to be reworked during the session, or the order can stand as originally entered if it turns out to be a **quality order** . The **WOM**

system thereby **validates** the order, essentially in front of the customer/ **buyer** in **real time** . USE - A **real time , customer specific Web Order Management** ( **WOM** ) system in which a **trade customer** ( **buyer** ) can order products from a large manufacturer or distributor via a computer network such as...

...ADVANTAGE - The **Web Order Management** ( **WOM** ) provides validation to the **buyer** that the order received from the **buyer** is a quality order, which as an example may mean that an entire **truckload** (in most countries) is being ordered from a single location, such as a distributor or a warehouse. The **WOM** system may have a global reach and the access for the **trade customer** is fairly simple, by means of a standard web browser and an Internet Service Provider.

**Original Publication Data by Authority**

**Original Abstracts:**

A **real time , customer specific Web Order Management** ( **WOM** ) **system is disclosed in** which a **trade customer** ( **buyer** ) can **order products from** a large manufacturer or distributor via a computer network such as the public internet. A "firewall" may be provided to keep the system secure. The **WOM** provides validation to **the . buyer that** the order **received** from the **buyer** is a " **quality order** ," which as **an example** may mean that an entire **truckload** (in most countries) **is** being ordered from a single location, such as a distributor or a warehouse. The **WOM** system may have **a** global reach and the access for the **trade customer** is fairly **simple , by** means of a standard web browser and an Internet Service Provider. **Buyers can order** at **any** time **when** it is convenient for them, and the **WOM** system will assist **the buyer** in **creating** a "quality **order** " during a **single on - line session , so that the buyer** is made aware **in** substantially **real time** that the **order needs** to be reworked during the session, or the order can stand as originally entered if it turns out to be a **quality order** . The **WOM system thereby validates the order** , essentially **in** front of the customer/ **buyer** in **real time** .

...

...A **real time , customer specific Web Order Management** ( **WOM** ) system **is disclosed in which a trade customer** ( **buyer** ) can order products from a large **manufacturer or distributor** via a computer network such as the public internet. A "firewall" may be provided to keep the system secure. The **WOM** provides validation to the **buyer** that the order **received** from **the buyer** is **a** " **quality order** ," **which** as an example **may** mean that an entire **truckload** (in most countries) is being ordered from a **single** location, such as a distributor or a warehouse. The **WOM** system may have a global reach and the **access** for the **trade customer** is fairly simple, by means of a **standard web** browser and an Internet Service Provider. **Buyers** can **order** at any time **when** it is **convenient** for **them** , and the **WOM** system will assist the **buyer** in **creating** a " **quality order** " during a single **on - line** session, so **that the buyer** is made **aware in** substantially **real time** that **the order** needs to be reworked **during the** session, or the order can stand as originally entered if it turns **out** to be a **quality order** . The **WOM** system thereby **validates** the **order** ,

**essentially in** front **of** the customer/ **buyer** in **real time** .

...

...A **real time** . **customer specific Web Order Management** ( **WOM** ) system is disclosed in which a **trade customer** ( **buyer** ) **can order products from a** large manufacturer or distributor via a **computer network such as the** public **internet** . A "firewall" may be provided to keep the system secure. The **WOM** provides **validation** to the **buyer** that the **order** received from the **buyer** is **a** " **quality order** ," which as **an** example may mean that an entire **truckload** (in most countries) is being ordered from a single location, such as a **distributor** or a warehouse. The **WOM** system may have a global reach and the access for the **trade customer is** fairly simple, by means of a standard web browser and an **Internet Service** Provider. **Buyers** can **order** at any time when it is convenient for **them** , and the **WOM** system **will** assist the **buyer** in **creating** a "quality **order** " during a **single on - line session** , so that **the buyer is** made aware **in** substantially **real time that the order** needs to be **reworked** during the session, or the **order can** stand as originally entered if it turns out to be a **quality order** . The **WOM** system thereby **validates** the order, essentially in front of the **customer / buyer** in **real time** .

...

...L'invention porte sur un systeme de gestion de commande Internet ( **WOM** ) personnalisee et en temps reel permettant a un client (acheteur) de commander des produits a un gros producteur **ou** distributeur par reseau informatique tel que l'Internet publique. Ce systeme peut comporter un <= pare-feu >= afin de proteger ledit systeme. Le systeme **WOM** confirme a l'acheteur que la commande recue de l'acheteur est une <= commande de qualite >=, ce qui **peut** signifier;a titre d'exemple, qu'un envoi en camion complet (dans la plupart des...

...d'un seul endroit, tel qu'un centre de distribution ou un entrepot. Le systeme **WOM** peut offrir une gamme tres large et son acces, pour la partie au commerce, est assez simple puisqu' **il** suffit d'un navigateur web et d'un fournisseur de service Internet. Les acheteurs peuvent passer une commande a n'importe quel moment qui leur convient, et le systeme **WOM** aidera l'acheteur a passer une <= commande de qualite >= au cours d'une seule session de connexion, afin **que** l'acheteur puisse se rendre compte au cours de la session, presque en temps reel...

...non, selon qu'il s'agit d'une commande de qualite ou non. Le systeme **WOM** valide alors la commande en temps reel, pratiquement en face du client/acheteur.

**Claims:**

What is claimed:1. A method for **interactively** validating and entering orders for products over a **computer** network, said method comprising:(a) providing a **web order management** computer system, a remote **buyer** 's computer system, **and a communications** link therebetween:(b) displaying **at** said remote **buyer** 's computer system, under control of said **web order management** computer system, **an** order pad screen that displays at least **one of** : ( i ) all products available for purchase by a **buyer** using said remote **buyer** 's computer system, and (ii) only a pre- **selected customer specific** subset **of**

the products that are available for purchase by a **buyer using** said remote **buyer** 's computer system, wherein said subset of the **products** is pre-selected **by** said **buyer** ;(c) said **buyer interactively** entering ordering information at predetermined locations on said **order** pad screen until, under **control of** said **web order management** computer system, a **quality order** is **validated** in substantially **real time** ; and( **d** ) **said buyer** submitting said **validated quality order** to **said web** order **management system** , by selecting at least one **predetermined** command.

**21/3,K/2 (Item 1 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS
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02018194
**Secure transaction management**
**Gesicherte Transaktionsverwaltung**
**Gestion de transactions securisees**
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PATENT (CC, No, Kind, Date): EP 1621960 A2 060201 (Basic)
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Available Text Language Update Word Count
CLAIMS A (English) 200605 249
SPEC A (English) 200605 180527
Total word count - document A 180807
Total word count - document B 0
Total word count - documents A + B 180807

...SPECIFICATION and

(c) interests in electronic credit and electronic currency storage, communication, and/or use including **electronic** cash, banking, and **purchasing** .

Protecting the rights of **electronic** community members involves a broad range of technologies. VDE combines these technologies in a way...

...interests in electronic credit and electronic currency storage, communication, and/or use -- this can include **electronic** cash, banking, and **purchasing** ; and

(d) interests in **electronic** information derived, at least in part, from use of other electronic information.

VDE Functional Properties...

...rights of a number of different parties, and a number of different rights protection schemes, **simultaneously** ;

(e) is able to preserve the rights of parties through a series of transactions that...

...and tax collection.

Contrast With Traditional Solutions

Traditional content control mechanisms often require users to **purchase** more **electronic** information than the user needs or desires. For example, infrequent users of shrink-wrapped software...

...a history of one's use of a product or paying taxes on one's **electronic purchases** ). VDE flexibility allows its users to electronically implement and enforce common social and commercial ethics...

...and systematic solution that answers the pressing need for a secure, cost-effective, and fair **electronic** environment.

VDE Implementation

The preferred embodiment of the present invention includes various tools that enable...

...invention will also provide an important foundation for trusted and efficient home and commercial banking, **electronic** credit processes, **electronic purchasing** , true or conditionally anonymous **electronic** cash, and EDI (Electronic Data Interchange). VDE provides important enhancements for improving data security in...example, software application and game publishers, database publishers, cable, television, and radio broadcasters, electronic shopping **vendors** , and distributors of information in electronic document, book, periodical, e-mail and/or other forms...

...and/or streams of data. VDE may also be used, for example, for multi-site " **real - time** " interaction such as teleconferencing, **interactive** games, or on-line bulletin boards, where restrictions on, and/or auditing of, the use...

...into through the use of VDE can be enforced reliably. These agreements may have both " **dynamic** " transaction management related aspects, such as content usage control information enforced through budgeting, metering, and...

...commerce and data security participants to reflect their priorities and requirements through a process of **iteratively** shaping an evolving extended electronic agreement (electronic control model). This shaping can occur as content...

...commerce, that is enabling businesses to create relationships and evolve strategies that offer competitive value. **Electronic** commerce tools that are not inherently configurable and interoperable will ultimately fail to produce products...

...encrypted) communications between said secure subsystems. Said server location may also be used for near **real time** , frequent, or more periodic secure receipt of content usage information from said user installation, with...

...given content model (such as distribution of entertainment on CD-ROM, content delivery from an **Internet** repository, or electronic catalog shopping and advertising, or some combination of the above) participants would...may require that certain VDEF methods are employed, for example in a certain sequence, in **order** to be able to use all and/or certain classes, of electronic content and/or...

...activities, wherein said control processing activities may involve a sequence of required control factors;
* support **dynamic** user selection of information subsets of a VDE electronic information product (VDE controlled content). This...

...database records, and
byte offsets representing increments of logically related information.
VDE supports as many **simultaneous** predefined increment types as may be practical for a given type of content and business...

...a highly configurable content control system. Under the present invention, content control models can be **iteratively** and asynchronously shaped, and otherwise updated to accommodate the needs of VDE participants to the...

...or certain control information by selection amongst optional control information (permissions record) control methods. This **iterative** (or concurrent) multiple participant process occurs as a result of the submission and use of...and/or participant classes (types)) in a network of VDE content handling participants.
* support multiple **simultaneous** control models for the same content property and/or property portion. This allows, for example...

...provider and/or end-user payment of taxes, through the transfer of credit and/or **electronic** currency from said end-user and/or provider to a government agency, might occur "automatically...

...feature of the present invention enables such flexibility of metering control mechanisms to accommodate a **simultaneous** , broad array of: (a) different parameters related to electronic information content use; (b) different increment...

...systems such as those associated with CAD/CAM environments and NCM software and the like, **electronic** mail systems, teleconferencing

software, and other data authoring, creating, handling, and/or usage applications including...

...are performed remote to VDE controlled content end-user VDE locations by assessing, for example, **purchases** , and/or requests, for **electronic** properties by a given VDE installation. Applications for such reconciliation activities include assessing whether the...and to produce a VDE electronic agreement from such a process. This process can be **interactive** and the VDE agreement formulation process may employ artificial intelligence expert system technology that learns...

...information related to a transaction, with credit and/or electronic currency being transferred to a **merchant** and/or clearinghouse and transaction information flowing back to the card. Such a card can...

...as a convergence point for financial activities of a consumer regarding many, if not all, **merchant** , banking, and on-line financial transactions, including supporting home banking activities. A consumer can receive...

...or periodic docking for a financial transaction and/or information communication such as a user/ **merchant** transaction. Backing up at least the current transaction during a connection with another party's...

...credit for VDE transactions might require an audit method that records the time of an **electronic purchase** , and/or a user might require a method that summarizes usage information for reporting to...static code and data storage organizations;
Figures 69K-69L together show example steps for providing **dynamic** protection mechanisms;
Figure 69M shows an example initialization time check routine;
Figure 69N shows an...

...a printer;
Figure 70B shows how characters may be selected from slightly different fonts in **order** to place an **electronic** fingerprint or watermark into printed output;
Figure 70C shows how characters in a font may...

...appropriate compensation, consumers received goods and services only after they handed cash over to a **seller** . Although information utility 200 may deliver information by transferring physical "things" such as electronic storage...disc players, videodisc players and tape players; audio and/or video amplifiers; virtual reality machines; **electronic** game players; multimedia players; radios; telephones; videophones; facsimile machines; robots; numerically controlled machines including machine...

...of, and where appropriate, payment for VDE objects 300 (through the use of prepayments, credits, **real - time** electronic debits from bank accounts and/or VDE node currency token deposit accounts). SPU 500...SPU 500 includes microprocessor 520, an encrypt/decrypt engine 522, a DMA controller 526, a **real - time** clock 528, a bus interface unit ("BIU") 530, a read only memory (ROM) 532, a...

...microprocessor 520 to the other components (e.g., encrypt/decrypt engine

522 via line 538a, **real - time** clock 528 via line 538b, bus interface unit 530 via line 538c, DMA controller via...

...functions. These various programs and associated data are executed and manipulated primarily by microprocessor 520.

**Real Time** Clock (RTC) 528

In the preferred embodiment, SPU 500 includes a **real time** clock circuit ("RTC") 528 that serves as a reliable, tamper resistant time base for the...

...and RAM 534, etc. DMA controller 526 may have multiple channels to handle multiple transfers **simultaneously** . In some implementations, a separate DMA controller 526 may be omitted, and any necessary data...

...computation circuitry, etc. as may be found in a typical off-the-shelf microprocessor/microcontroller. **Real time** clock 528 may be added to the standard architecture to give the CPU/SPU 2650 access to the **real time** clock functions as discussed above in connection with Figure 9. **Real - time** clock 528 must be protected from tampering in order to be secure. Such protections may...

...accelerator 544, the SPU-not-initialized flag 2671, the secure mode interface switch 2658, the **real - time** clock 528, the DMA controller 2654, the MMU 540, compress/decompress block 546, and/or...542 (if present), arithmetic accelerator 544 (if present), pattern matching engine 524 (if present), and **real - time** clock 528 (if present). Enhanced switch 2663 may also act as an interpreter of control...

...to use to protect against tampering
integrates security considerations at the I/O level
provides **on -the- fly** decryption of information at release time
enables a secure commercial transaction network
flexible key management...

...end" set tops are a few of many examples
can be integrated in traditional and **real time** operating systems

Distributed

provides distribution of control information and reciprocal control information and mechanisms
supports...

...of handling and control
management environment for distributed, occasionally connected but otherwise asynchronous networked database
**real time** and time independent data management
supports "agent" processes

Transparent

can be seamlessly integrated into existing...

...compatibility between different computer hardware and architectures (which may, for example, be manufactured by different **vendors** ). Operating systems also enable computer "peripheral device" manufacturers

to far more easily supply compatible equipment...

...independently distribute control information over very low bandwidth connections that may or may not be " **real time** " connections. ROS 602 provided by the preferred embodiment is "network friendly," and can be implemented...at the operating system I/O level (which is below the access level), and provides " **on** -the- **fly** " decryption of information at release time. These features permit non-secure storage of ROS 602...

...and compact
loadable into resource constrained environments such as for example minimally configured SPUs 500
**dynamically** updatable
extensible by authorized users
integratable into object or procedural environments
secure.

In the preferred...

...processing using host processor or other general purpose resources that may be available within an **electronic** appliance 600. Any service may be provided by such a secure HPE 655. In the...

...620 may also include an "interceptor" 692 that transmits and/or receives one or more **real time** data feeds 694 (this may be provided over cable(s) 628 for example), and routes one or more such data feeds appropriately while providing "translation" functions for **real time** data sent and/or received by electronic appliance 600 to allow "transparency" for this type...

...to the transparency provided by redirector 684 (and/or it may generate one or more **real time** data feeds).

Secure ROS Components and Component Assemblies
As discussed above, ROS 602 in the...individual load modules may be reenterable and reusable. In order for components 690 to be **dynamically** updatable, they may be individually addressable within a global public name space. In view of...

...content types, content provider objectives, transaction types and client requirements. In addition, the ability to **dynamically** assemble independently deliverable components at execution time based on particular objects and users provides a...

...ROS 602, and may interact with drivers and other hardware managers that provide communications and **interactivity** with physical devices.

RPC Manager 732
ROS 602 in a preferred embodiment is designed around...

...more RPC based services. In addition to supporting SPUs 500, the RPC interface permits the **dynamic** integration of external services and provides an array of configuration options using existing operating system...

...interface to the remainder of the operating system. Such modularization

and standardized interfacing permits different **vendors** operating system programmers to create different portions of the operating system independently, and also allows...

...preferred embodiment, the object switch may include the following elements:
a stream router 758;
a **real time** stream interface(s) 760 (which may be connected to **real time** data feed(s) 694);
a time dependent stream interface(s) 762;
a intercept 692;
a...

...or more routing tables 766; and
buffering/storage 768.Stream router 758 routes to/from " **real time** " and "time independent" data streams handled respectively by **real time** stream interface(s) 760 and time dependent stream interface(s) 762. Intercept 692 intercepts I/O requests that involve **real - time** information streams such as, for example, **real time**0 feed 694. The routing performed by stream router 758 may be determined by routing tables...

...may be standardized and published to support add-on service modules developed by third party **vendors** , and to facilitate scalability by making it easier to program ROS 602. The preferred embodiment...

...732 during rights operating system 602 initialization. It permits a service manager to load any **dynamically** loadable components and to initialize any device and memory required by the service. The service... database interface 748. The database interface 748 between ROS 602 and external, third party database **vendors** ' commercial database manager 730 may be an open standard to permit any database **vendor** to implement a VDE compliant database driver 750 for their products.
ROS 602 may encrypt...

...or other information that is to be included within the object to be created in **order** to define or organize the content into "atomic elements" specified by the user. As explained...

...control character between each "atomic element") or implicit. Object switch 734 may receive static and **dynamic** content (e.g., by way of time independent stream interface 762 and **real time** stream interface 760), and is capable of accessing and retrieving stored content or other information...

...and other VDE information to/from the outside world. Communications subsystem 776 may support a **real time** content feed 684 from a cable, satellite or other telecommunications link.

Secure Processing Environment 503...a single threaded SPE 503 may, as a practical matter, limit the ability of outside **vendors** to create load modules 1100 since there can be no assurance that they will not cause a "deadly embrace" with other VDE processes about which outside **vendors** may know little or nothing. Moreover, the context swapping of a partially updated record might...

...may also eliminate the capability to support audit processing concurrently with other processing. For example, **real - time** feed processing might have to be shut down in order to audit budgets and meters...

...this virtual paging solution might be workable for allowing single threading in some applications, the **vendor** limitations mentioned above may limit the use of such single threaded implementations in some cases ...

...For example, a type of "two-phase commit" processing of the type used by database **vendors** may be used to allow data structure sharing between processes. To implement this "two-phase...

...memory area of the block. This "dope vector" may include the block number, support for **dynamic** paging of data elements, and a marker to detect memory overwrites. Memory manager 578 may...
...cause different interrupt handlers to be executed.
A "timer tick" interrupt is generated when the **real - time** RTC 528 "pulses". The timer tick interrupt is processed by a timer tick interrupt handler...a power fail interrupt when it detects an imminent power fail condition. This may require **immediate** action to prevent loss of information. For example, in the preferred embodiment, a power fail...

...CLAIMS method according to any of the preceding claims, wherein the decryption program engages in an **interactive** secure dialogue to demonstrate that it has not been tampered with.
9. A decryption program...

**21/3,K/3 (Item 2 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS


01898247
**Systems and methods for secure transaction management and electronic rights protection**
**Systeme und Verfahren zur Verwaltung von gesicherten Transaktionen und zum Schutz von elektronischen Rechten**
**Systemes et procedes pour gerer des transactions securisees et pour proteger des droits electroniques**
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...SPECIFICATION and
(c) interests in electronic credit and electronic currency storage, communication, and/or use including **electronic** cash, banking, and **purchasing** .
Protecting the rights of **electronic** community members involves a broad range of technologies. VDE combines these technologies in a way...

...interests in electronic credit and electronic currency storage, communication, and/or use -- this can include **electronic** cash, banking, and **purchasing** ; and
(d) interests in **electronic** information derived, at least in part, from use of other electronic information.

VDE Functional Properties...

...rights of a number of different parties, and a number of different rights protection schemes, **simultaneously** ;
(e) is able to preserve the rights of parties through a series of transactions that...

...and tax collection.
Contrast With Traditional Solutions
Traditional content control mechanisms often require users to **purchase** more **electronic** information than the user needs or desires. For example, infrequent users of shrink-wrapped software...

...auditing of electronic information; and
) a secure system for currency, compensation and debit management.
For **electronic** commerce, a rights application, under the preferred embodiment of the present invention, can provide electronic...

...a history of one's use of a product or paying taxes on one's **electronic** **purchases** ). VDE flexibility allows its users to electronically implement and enforce common social and commercial ethics...

...invention will also provide an important foundation for trusted and efficient home and commercial banking, **electronic** credit processes, **electronic purchasing** , true or conditionally anonymous **electronic** cash, and EDI (Electronic Data Interchange). VDE provides important enhancements for improving data security in...of content and/or appliance control information can be submitted by different parties in an **electronic** business value chain enabled by the present invention. These parties create control information sets through...
...may also be extended as new control information is submitted by existing participants. With VDE, **electronic** commerce participants are free to structure and restructure their electronic commerce business activities and relationships...

...regardless of the type of VDE activity.
VDE prevents many forms of unauthorized use of **electronic** information, by controlling and auditing (and other administration of use) electronically stored and/or disseminated...

...example, software application and game publishers, database publishers, cable, television, and radio broadcasters, electronic shopping **vendors** , and distributors of information in electronic document, book, periodical, e-mail and/or other forms...

...and/or streams of data. VDE may also be used, for example, for multi-site " **real - time** " interaction such as teleconferencing, **interactive** games, or on-line bulletin boards, where restrictions on, and/or auditing of, the use...

...into through the use of VDE can be enforced reliably. These agreements may have both " **dynamic** " transaction management related aspects, such as content usage control information enforced through budgeting, metering, and...

...commerce and data security participants to reflect their priorities and requirements through a process of **iteratively** shaping an evolving extended electronic agreement (electronic control model). This shaping can occur as content...

...portions, classes and/or other groupings of content.
Distribution using VDE may package both the **electronic** content and control information into the same VDE container, and/or may involve the delivery...

...encrypted) communications between said secure subsystems. Said server location may also be used for near **real time** , frequent, or more periodic secure receipt of content usage information from said user installation, with...a given transaction to occur are met. This includes the secure execution of any required **load** modules and the availability of any required, associated data. For example, required load modules and ...

...activities, wherein said control processing activities may involve a sequence of required control factors;
) support **dynamic** user selection of information subsets of a VDE electronic information product (VDE controlled content). This...

...database records, and
) ) byte offsets representing increments of logically related information. VDE supports as many **simultaneous** predefined increment types as may be practical for a given type of content and business...

...a highly configurable content control system. Under the present invention, content control models can be **iteratively** and asynchronously shaped, and otherwise updated to accommodate the needs of VDE participants to the...

...or certain control information by selection amongst optional control information (permissions record) control methods. This **iterative** (or concurrent) multiple participant process occurs as a result of the submission and use of...and/or participant classes (types)) in a network of VDE content handling participants.
) support multiple **simultaneous** control models for the same content property and/or property portion. This allows, for example...
...feature of the present invention enables such flexibility of metering control mechanisms to accommodate a **simultaneous** , broad array of: (a) different parameters related to **electronic** information content use; (b) different increment units (bytes, documents, properties, paragraphs, images, etc.) and/or...

...managed content. Such metering is a flexible basis for ensuring payment for content royalties, licensing, **purchasing** , and/or advertising. A feature of the present invention provides for payment means supporting flexible...

...are performed remote to VDE controlled content end-user VDE locations by assessing, for example, **purchases** , and/or requests, for **electronic** properties by a given VDE installation. Applications for such reconciliation activities include assessing whether the...and to produce a VDE electronic agreement from such a process. This process can be **interactive** and the VDE agreement formulation process may employ artificial intelligence expert system technology that learns...

...information related to a transaction, with credit and/or electronic currency being transferred to a **merchant** and/or clearinghouse and transaction information flowing back to the card. Such a card can...
...as a convergence point for financial activities of a consumer regarding many, if not all, **merchant** , banking, and on-line financial transactions, including supporting home banking activities. A consumer can receive...

...or periodic docking for a financial transaction and/or information communication such as a user/ **merchant** transaction. Backing up at least the current transaction during a connection with another party's...

...credit for VDE transactions might require an audit method that records the time of an **electronic purchase** , and/or a user might require a method that summarizes usage information for reporting to...be supported by virtual distribution environment 100 include:
C home banking and electronic payments;
C **electronic** legal contracts;
C distribution of "content" such as **electronic** printed matter, video, audio, images and computer programs; and

C secure communication of private information...

...appropriate compensation, consumers received goods and services only after they handed cash over to a **seller** . Although information utility 200 may deliver information by transferring physical "things" such as electronic storage...take advantage of VDE functions 604.

SECURE PROCESSING UNIT 500

Each VDE node or other **electronic** appliance 600 in the preferred embodiment may include one or more SPUs 500. SPUs 500...

...of, and where appropriate, payment for VDE objects 300 (through the use of prepayments, credits, **real - time** electronic debits from bank accounts and/or VDE node currency token deposit accounts). SPU 500...

...SPU 500 includes microprocessor 520, an encrypt/decrypt engine 522, a DMA controller 526, a **real - time** clock 528, a bus interface unit ("BIU") 530, a read only memory (ROM) 532, a...

...microprocessor 520 to the other components (e.g., encrypt/decrypt engine 522 via line 538a, **real - time** clock 528 via line...functions. These various programs and associated data are executed and manipulated primarily by microprocessor 520.

**Real Time** Clock (RTC) 528

In the preferred embodiment, SPU 500 includes a **real time** clock circuit ("RTC") 528 that serves as a reliable, tamper resistant time base for the...

...of a disabling and/or destruction of processes and/or information as described above, the **electronic** appliance 600 may require a secure VDE communication with an administrator, clearinghouse, and/or distributor...

...and RAM 534, etc.). DMA controller 526 may have multiple channels to handle multiple transfers **simultaneously** . In some implementations, a separate DMA controller 526 may be omitted, and any necessary data...

...to protect against tampering
C integrates security considerations at the I/O level
C provides **on** -the- **fly** decryption of information at release time
C enables a secure commercial transaction network
C flexible...

...set tops are a few of many examples
C can be integrated in traditional and **real time** operating systems

Distributed

C provides distribution of control information and reciprocal control information and mechanisms...

...and control
C management environment for distributed, occasionally connected but otherwise asynchronous networked database
C **real time** and time independent data management
C supports "agent" processes

Transparent

C can be seamlessly integrated...

...compatibility between different computer hardware and architectures (which may, for example, be manufactured by different **vendors** ). Operating systems also enable computer "peripheral device" manufacturers to far more easily supply compatible equipment...independently distribute control information over very low bandwidth connections that may or may not be " **real time** " connections. ROS 602 provided by the preferred embodiment is "network friendly," and can be implemented...

...at the operating system I/O level (which is below the access level), and provides " **on** -the- **fly** " decryption of information at release time. These features permit non-secure storage of ROS 602...

...C loadable into resource constrained environments such as for example minimally configured SPUs 500
C **dynamically** updatable
C extensible by authorized users
C integratable into object or procedural environments
C secure...

...620 may also include an "interceptor" 692 that transmits and/or receives one or more **real time** data feeds 694 (this may be provided over cable(s) 628 for example), and routes one or more such data feeds appropriately while providing "translation" functions for **real time** data sent and/or received by electronic appliance 600 to allow "transparency" for this type...

...to the transparency provided by redirector 684 (and/or it may generate one or more **real time** data feeds).

Secure ROS Components and Component Assemblies

As discussed above, ROS 602 in the...of the price the content distributor intended to charge. Similarly, if the element establishes an **electronic** credit card, then an ability to substitute a different element could have disastrous consequences in...

...individual load modules may be reenterable and reusable. In order for components 690 to be **dynamically** updatable, they may be individually addressable within a global public name space. In view of...

...platforms, thereby making the method scalable and/or portable across a wide range of different **electronic** appliances.

UDEs 1200 and MDEs 1202 may store data for input to or output from...

...content types, content provider objectives, transaction types and client requirements. In addition, the ability to **dynamically** assemble independently deliverable components at execution time based on particular objects and users provides a...

...ROS 602, and may interact with drivers and other hardware managers that provide communications and **interactivity** with physical devices.

RPC Manager 732

ROS 602 in a preferred embodiment is designed around...

...more RPC based services. In addition to supporting SPUs 500, the RPC interface permits the **dynamic** integration of external services and provides an array of configuration options using existing operating system...

...interface to the remainder of the operating system. Such modularization and standardized interfacing permits different **vendors** /operating system programmers to create different portions of the operating system independently, and also allows...

...preferred embodiment, the object switch may include the following elements:

a stream router 758;

a **real time** stream interface(s) 760 (which may be connected to **real time** data feed(s) 694);

a time dependent stream interface(s) 762;

a intercept 692;

a...

...or more routing tables 766; and

buffering/storage 768. Stream router 758 routes to/from " **real time** " and "time independent" data streams handled respectively by **real time** stream interface(s) 760 and time dependent stream interface(s) 762. Intercept 692 intercepts I/O requests that involve **real - time** information streams such as, for example, **real time** feed 694. The routing performed by stream router 758 may be determined by routing tables...

...may be standardized and published to support add-on service modules developed by third party **vendors** , and to facilitate scalability by making it easier to program ROS 602. The preferred embodiment...

...732 during rights operating system 602 initialization. It permits a service manager to load any **dynamically** loadable components and to initialize any device and memory required by the service. The service... database interface 748. The database interface 748 between ROS 602 and external, third party database **vendors** ' commercial database manager 730 may be an open standard to permit any database **vendor** to implement a VDE compliant database driver 750 for their products.

ROS 602 may encrypt...

...control character between each "atomic element") or implicit. Object switch 734 may receive static and **dynamic** content (e.g., by way of time independent stream interface 762 and **real time** stream interface 760), and is capable of accessing and retrieving stored content or other information...and other VDE information to/from the outside world. Communications subsystem 776 may support a **real time** content feed 684 from a cable, satellite or other telecommunications link.

Secure Processing Environment 503...

...a single threaded SPE 503 may, as a practical matter, limit the ability of outside **vendors** to create load modules 1100 since there can be no assurance that they will not cause a "deadly embrace" with other VDE

processes about which outside **vendors** may know little or nothing. Moreover, the context swapping of a partially updated record might...

...may also eliminate the capability to support audit processing concurrently with other processing. For example, **real - time** feed processing might have to be shut down in **order** to audit budgets and meters associated with the monitoring process.
One way to provide a...

...this virtual paging solution might be workable for allowing single threading in some applications, the **vendor** limitations mentioned above may limit the use of such single threaded implementations in some cases ...

...For example, a type of "two-phase commit" processing of the type used by database **vendors** may be used to allow data structure sharing between processes. To implement this "two-phase...

...memory area of the block. This "dope vector" may include the block number, support for **dynamic** paging of data elements, and a marker to detect memory overwrites. Memory manager 578 may...last step, the Figure 15b process may, if desired, deallocate the "initialization" event task in **order** to free up resources.
Once a channel 594 has been constructed in this fashion, it...

...cause different interrupt handlers to be executed.
A "timer tick" interrupt is generated when the **real - time** RTC 528 "pulses." The timer tick interrupt is processed by a timer tick interrupt handler...

...a power fail interrupt when it detects an imminent power fail condition. This may require **immediate** action to prevent loss of information. For example, in the preferred embodiment, a power fail...
...Time Base Manager 554
The time base manager 554 supports calls that relate to the **real time** clock ("RTC") 528. In the preferred embodiment, the time base manager 554 is always loaded...

...be used, for example, as a process to "age" keys by incorporating the value of **real - time** RTC 528 as parameters. It can be used to make keys site specific by incorporating...655) is a function of:
C complexity of the component assemblies used
C number of **simultaneous** component assembly operations
C amount of internal SPU memory available
C speed of algorithm for block encryption/decryption
The complexity of component assembly processes along with the number of **simultaneous** component assembly processes is perhaps the primary factor in determining performance. These factors combine to...

**21/3,K/4 (Item 1 from file: 349)**
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CUSTOMER SPECIFIC WEB ORDER MANAGEMENT **SYSTEM WHICH PROVIDES**

REAL TIME " QUALITY ORDER " VALIDATION
**SYSTEME DE GESTION DE COMMANDE INTERNET PERSONNALISEE ENDOSSANT LA <=**
**COMMANDE DE QUALITE >= EN TEMPS REEL**

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CUSTOMER SPECIFIC WEB ORDER MANAGEMENT **SYSTEM WHICH PROVIDES** REAL TIME " QUALITY ORDER " VALIDATION

Fulltext Availability:
Detailed Description
Claims

English Abstract
A **real time , customer specific Web Order Management ( WOM )** system (10) is disclosed in which a **trade customer** can order products from a product via a computer network such as the public internet (30). A "firewall" (24) may be provided to keep the system secure. The **WOM** provides validation to the **buyer** that the order received from the **buyer** is a "quality order," which as an example may mean that an entire **truckload** (in most countries) is being ordered from a distributor or a warehouse. The **WOM** system may have a global reach and the customer access provided by means of a standard web browser and an **Internet** Service Provider. **Buyer** can **order** at any time and the **WOM** system will assist the **buyer** in creating a "quality **order** " during a **single on - line session** , so that the **buyer** is made aware in substantially **real time** that the order needs to be reworked during the session, or the order can stand as originally entered if it turns out to be a

**quality order** . The **WOM** system thereby **validates** the order in **real time** .

French Abstract

L'invention porte sur un systeme de gestion de commande Internet ( **WOM** ) personnalisee et en temps reel permettant a un client (acheteur) de commander des produits a...

...publique. Ce systeme peut comporter un <= pare-feu >= afin de proteger ledit systeme. Le systeme **WOM** confirme a l'acheteur que la commande recue de l'acheteur est une <= commande de...

...d'un seul endroit, tel qu'un centre de distribution ou un entrepot. Le systeme **WOM** peut offrir une gamme tres large et son acces, pour la partie au commerce, est...

...peuvent passer une commande a n'importe quel moment qui leur convient, et le systeme **WOM** aidera l'acheteur a passer une <= commande de qualite >= au cours d'une seule session...

...non, selon qu'il s'agit d'une commande de qualite ou non. Le systeme **WOM** valide alors la commande en temps reel, pratiquement en face du client/acheteur.

Detailed Description

**CUSTOMER SPECIFIC WEB ORDER MANAGEMENT** SYSTEM WHICH PROVIDES **REAL TIME " QUALITY ORDER " VALIDATION**

44CROSS REFERENCE TO RELATED APPLICATION"

This application claims the benefit of.U.S. Provisional Application...

...60/261,491 filed January 12, 2001.

TECfMCAL FEELD

The present invention relates generally to **computerized** product **ordering** systems and is particularly directed to a **real time** , **customer specific on - line** product **ordering** system of the type which allows **trade customers** to place orders directly to a manufacturer/distributor over a computer network, such as the...

...component of a public network known as the Internet), and to receive validation substantially in **real time** that a "quality order" has been entered.

Background of the Invention

When **trade customers** order products from a manufacturer or a distributor of the manufacturer's goods, historically a...

...sent electronically via electronic data interchange (EDI) to the manufacturer or the distributor. If the **trade customer** is in a hurry, then the purchase order may be telephoned directly to a sales...

...When large quantities of goods are ordered so that they may essentially require an entire **trailer load** for delivery, the purchaser or " **buyer** " may have several options, and perhaps could order several different products from a particular distributor or manufacturer to create the " **truckload** " of goods. However, the purchaser[ **buyer** may not be aware of the normal shipping requirements for a **truckload** of goods, and may attempt to instigate an order that is not a "quality order," which means

that there is not a true **truckload** of goods since the trailer would not be adequately filled, or that the quantity exceeded the capacity for a single trailer. The purchaser/ **buyer** would not necessarily be aware of these problems at the time.

When this occurs, historically...

...OF THE INVENTION Accordingly, it is an advantage of the present invention to create a **Web Order Management ( WOM )** system that can receive purchase orders from a **trade customer** that uses the public internet, or other suitable computer network, in which "quality orders" are **interactively** achieved and made apparent to the **trade customer** 's **buyer** during an on-line session with the **seller** .

It is another advantage of the present invention to provide a substantially **real time WOM** system in which a **customer - specific** product catalog is made available to the **buyer** by use of a computer display that acts as a virtual "order pad," in which...

...requirements.

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It is a further advantage of the present invention to provide a substantially **real time** manufacturer/distributor.

It is yet another advantage of the present invention to provide a substantially **real time** separately finished.

It is still another advantage of the present invention to provide a method for entering orders for products over a computer network, including providing a substantially **real time WOM** system, at least one remote **buyer** 's computer system (such as a PC) and a communications link therebetween, in which an order pad screen is displayed at the remote **buyer** 's computer system (under control of the **WOM** system) that displays all products available for purchase by a **buyer** using the **buyer** 's computer system, or that instead displays only a pre-selected subset of the products available for purchase by a **buyer** using the **buyer** 's computer system. Each product list comprises a plurality of products that may or may...

...another by at least one common characteristic, and the products are pre-selected by the **buyer** . The **buyer** then enters ordering information such as quantities of products into predetermined locations or "quantity input fields" on the order pad screen until, under control of the **WOM** system, a quality order is achieved. The **buyer** then submits the quality order to the **WOM** system, by selecting the predetermined "submit" command.

It is yet a further advantage of the...

...provide a method for entering orders for products over a computer network, including providing a **WOM** system, a first remote **buyer** 's computer system, a communications link therebetween, a second **buyer** 's computer system, and a communications link between the **WOM** system and the second remote **buyers** ' computer system. Under control of the **WOM** system, a first product catalog screen is displayed at the first remote

**buyer** 's computer system, and only a first set of pre-determined products is displayed for a first **buyer** to select from, in which the first set of pre-determined products is a first subset of all products sold by way of the **WOM** system; the first set of pre-determined
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products is selected by an administrator of the **WOM** system. Under control of the **WOM** system, a second product catalog screen is displayed at the second **buyer** 's computer system, and only the second set of pre-determined products is displayed for the second **buyer** to select from, in which the second set of pre-determined products is a second, different subset of all products sold by way of the **WOM** system and is selected by a **WOM** administrator.

It is still a further advantage of the present invention to provide a method for entering orders for products over a computer network, including providing a **WOM** system, a **buyer** 's computer system, and a communications link therebetween; under control of the **WOM** system, displaying at the **buyer** 's computer system an order pad screen which displays a list (or plurality) of products that are available for purchase by the **buyer** using the **buyer** 's computer system; the **buyer** then enters ordering information such as quantities into the ...into the quantity input fields on the order pad screen. Then, under control of the **WOM** system, the **buyer** achieves a quality order for one of the first of second orders (and is notified as such by the **WOM** ); and finally places the quality order to the **WOM** system, by selecting at least one predetermined command.
To achieve the foregoing and other advantages...

...products over a computer network is provided, in which the method comprises: (1) providing a **web order management** ( **WOM** ) system, at least one **buyer** 's computer system, and a communications link therebetween; (2) displaying at the **buyer** 's computer system, under control of the **WOM** system, an order pad screen that displays all products available for purchase by a **buyer** using the **buyer** 's computer system, or that displays only a pre-selected **customer specific** subset of the products available for purchase by the **buyer** using the **buyer** 's computer system, in which said subset of the products comprises a list of one or more products that are pre-selected by the **buyer** ; (3) the **buyer** then **interactively** entering ordering information (such as quantities) at predetermined locations (or fields) on the order pad screen until, under control of the **WOM0** system, a **quality order** is **validated** in substantially **real time** ; and (4) the **buyer** finally submitting the **validated quality order** to the **WOM** system, by selecting at least one predetermined command (such as the "submit" command).

In accordance...

...products over a computer network is provided, in which the method comprises: (1) providing a **web order management** ( **WOM** ) system, a first **buyer** 's computer system, a
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communications link therebetween, a second **buyer** 's computer system, and a communications link between the **WOM** system and the second **buyer** 's computer system; (2) displaying at the first remote **buyer** 's computer system, under control of the **WOM** system, a first product catalog screen in which only a first set of pre-determined products is displayed for a

first **buyer** to select from, in which the first set of pre-determined products is a first...

...diagrammatic view as a partial block diagram, depicting the major computer components used in a **Web Order Management** system according to the principles of the present invention.

Figures 2A-2B are a flow...

...the logical operations that make up a computer program which may be used in the **WOM** system of Figure 1.

Figures 3A-3B are a flow chart of the "Company Profiles...
...portion of the logical operations that may make up the computer program used in the **WOM** system of Figure 1.

Figure 4 is a flow chart of the "Truck-Brands Sub...

...portion of the logical operations that may make up the computer program used in the **WOM** system of Figure 1.

Figure 5 is a flow chart of the "P&G CTLC...

...portion of the logical operations that may make up the computer program used in the **WOM** system of Figure 1.

Figures 6A-6B are a flow chart of the "P&G...

...portion of the logical operations that may make up the computer program used in the **WOM** system of Figure 1.

Figure 7 is a flow chart of the "Customer Administrator Role" portion of the logical operations that may make up the computer program used in the **WOM** system of Figure 1.
Figures 8A-8B are a flow chart of the "Company Profiles...

...portion of the logical operations that may make up the computer program used in the **WOM** system of Figure 1.

Figure 9 is a flow chart of the " **Buyer** Role" portion of the logical operations that may make up the computer program used in the **WOM** system of Figure 1.

Figures IOA-10B are a flow chart of the "Web Orders Sub-System Screen Flow- **Buyer** Role" portion of the logical operations that may make up the computer program used in the **WOM** system of Figure 1.

Figure 11 is a flow chart of the "Company Profiles Sub-System Screen Flow- **Buyer** Role" portion of the logical operations that may make up the computer program used in...

...is a flow chart showing the logical operations of one possible computer program of the **WOM** system of Figure I which provides a customer's specific list of products, in which...

...in the accompanying drawings, wherein like numerals indicate the same

elements throughout the views.

A **Real Time , Customer specific Web Order Management ( WOM )** system is provided in which a **trade customer** (as a **buyer** ) can order products from a large manufacturer or distributor, such as a large manufacturer of consumer products. The **WOM** system allows the **trade customer / buyer** to access the **WOM** system via the public internet (or other sutiable network) through a "firewall" that is optionally...

...the manufacturer/distributor to keep the system secure. Once the trade customertbuyer has accessed the **WOM** system and provided the proper security codes (such as passwords), the **WOM** system can insure that the order received from the **buyer** is a "quality order," which means that an entire **truckload** (in most countries) is being ordered from a single location, such as a distributor or...

...processing, by preventing the formerly typical manual intervention and rework between the customer and the **seller** .

Once the **WOM** system has **generated** a **quality order** , it then provides the information to backend order processing systems, which may be different from one country or region to. Of course, the **WOM** system itself could be enhanced to take over the backend order processing, if desired.

Since the **trade customer** typically uses the public internet, the **WOM** system has a global reach and access for the **trade customer** is fairly simple, by means of a standard web browser and an Internet Service Provider. Once connected into the **WOM** system, **buyers** can order at any time when it is convenient for them, and the **WOM** system will assist the **buyer** in creating a it quality **order** " during a **single on - line session** . In this way, the **buyer** is made aware in substantially **real time** that the order needs to be reworked during the session, or the order can stand...

...The Referring now to the drawings, Figure 1 shows the major system components of a **Web Order Management** ( **WOM** ) system 10, as according to the present invention. In Figure 1, a system for **interactively** purchasing goods is depicted in which the **WOM** system 10 communicates to a **buyer** that uses a remote personal computer (PC) system at 40, via the public internet 30, through a firewall 24. The **buyer** would typically be using a computer system which has a central processing unit (CPU) 42 which has a system memory 44, as well as a display
8
monitor 46. The **buyer** 's computer system 40 would also include a modem 48, or some other type of...

...into the internet 30. It is appreciated that this additional equipment (i.e. as a **buyer** 's computer system) is typically necessary to access the **WOM** system functionality. However, for purposes of this description, providing the capability to access the **WOM** system having the functionality described is sufficient. In other words, programming of a computer to...

...practice the invention within the meaning of the claims. It is not

necessary for the **WOM** system owner to provide the **buyer** with a computer system and the means of accessing the **WOM** system. This is particularly true if the public interriet is used for the computer network...

...invention.

A suitable security mechanism, such as firewall 24 may provides secure access by the **buyer** 's computer system 40 into the **WOM** system 10. The human user at the **buyer** 's computer system 40 will typically provide some type of password or other security information that corresponds to the user name before passing through firewall 24.

The **WOM** system 10 includes a central processing unit (CPU) 12 with a corresponding memory system 14...

...likely be a high-speed telecommunications link.

processing system 22 will receive ordering information from **WOM** system 10, and the backend order processing system 22 will execute the shipping and billing...

...a backend order processing system 22 is used, it may be desired to provide the **WOM** system 10 with the ability to receive a command to place an order "on hold...

...could suspend processing by the backend order processing system 22 until such time as the **buyer** desires to continue processing of the order.

This on hold functionality could also be provided in a **WOM** system in which there is no separate backend order processing system, but in which order processing is integrated into the **WOM** system 10 itself. Figures 2-11 are flow charts showing some of the important logical decisions and functions of the **WOM** system 10 of the present invention. Each of the flow chart symbols on Figures 2...text of the link changes from one user to the next, such as where the ( **Buyer** Name) might by "Jonathan Thomas," or where the (Company Namel might be "ABC Inc." A "frameset" is a screen that contains multiple frames, allowing access to multiple related capabilities **simultaneously** . The identification code a screen title located in the topmiddle box are that of the...

...monitor, such as the user's monitor 46.

Instead, each of the "screens" of the **WOM** system 10 may only use a portion of the display area of the monitor 46, in which case there would likely be two or more of these "screens" being displayed **simultaneously** on the monitor 46. An example of this is depicted in Figure 13, in which ...

...05-07 on Figure 13 are only one example of a computer display in the **WOM** system 10 that uses multiple "screens," as defined herein.

Figures 2A-AB shows the application...
...is an employee who is authorized to access
I I
adn-finistrative functions of the **WOM** system 10 for Procter & Gamble.

This type of system will
also be referred to herein as the "P&G system," or simply as "P&G."
FLOW CHART DESCRIPTIONS FOR **BUYER** ROLE.

GI: "Log-in"
Beginning at reference numeral 100, this is the screen (on Figures...

...procedure can be used to enter many different places in the logic flow of the **WOM** system 10, and therefore, the same Log-in logic functions are found in several places...

...5) incorrect attempts, the user ID is locked out.

G2: "Home Page"
This is the **WOM** Home Page (on Figures 2A, 49 59 6A, 7, 8A, 9, 10A, and 11) for the **Buyer** that provides links to all areas of the **WOM** system that are appropriate for a **Buyer** . On Figure 9, these links are as follows.
View Invoices (to 11, Invoice List).

View...2A, 5, 6A, 7, and 9) is a text page that describes anything new within **WOM** or within P&G that the owner wishes to make the user aware of.

13...

...a different brand of this product grouping.

Change View - display information in a different format.

**Customer Specific** Product Catalog: The Order Pad Panel (07) will list only the products that included in the **Customer Specific** Product Catalog. The **Customer Specific** Product Catalog is a sub-set of all the products that P&G sells that...

...can be available to different customers, and are listed appropriately.

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Easy Typing: When a **buyer** is entering a quantity, he or she can use the easy typing feature.
P&G...on Figures 3A, 5, 6A, 8A, and 1 1) which displays all the information that **WOM** 10 has about the customer. This information includes.

All "ship to" name and addresses;
All...

...addresses;
All P&G Account Handlers Names; and
All user ID's and names of **WOM** users for this customer.

P2d: "Edit **Buyer** Form"
This screen (on Figures 2B, 3A, 5, 8A, and 1 1) allows the user...

...This information includes.

Password;
Order Pad Display Defaults; and
Name.

I a5
P3d: "Confirm Edit **Buyer** "
This screen (on Figures 2B, 3A, 8A, and I 1) acknowledges the user's command to update the **buyer** information with a confirmation message, or can go to the Company Profile, or return to...

...successful.

FLOW CHART DESCRIPTIONS FOR P&G (SYSTEM'S) ADMINISTRATOR ROLE.

GI: "Log-in" (see **Buyer** Role description, above).

GIO: "What's New" (see **Buyer** Role description, above).

"Other Links" (see **Buyer** Role description, above).

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P4: "Password Change Form" (see **Buyer** Role description, above).

P5: "Password Change Confirmed" (see **Buyer** Role description, above).

11: "Invoice List" (see Invoice Sub-System within **Buyer** Role)
12: "Invoice Details" (see Invoice Sub-System within **Buyer** Role description, above).
03: List of Previously Submitted Orders (see Web Orders Sub-System within **Buyer** Role description, above).

09: "Order Details" (see Web Orders Sub-System within **Buyer** Role description, above).

P2d: "Edit **Buyer** Form" (see Company Profiles Sub-System within **Buyer** Role description, above).

P3d: "Edit **Buyer** Form" (see Company Profiles Sub-System within **Buyer** Role description, above).

G2: "Home Page"
This screen (on Figures 2A, 5, 6A, 7, 8A, 9, 10A, and I 1) is the **WOM** Home Page for the P&G Administrator that provides links to all areas of the **WOM** system 10 that are appropriate for a P&G Administrator. On Figures 2A-2B, these List CTLC's (to G5, CTLC List).

List Pending **Buyers** (to G7, Pending **Buyer** List).

View Invoices (to 11, Invoice List).
List Companies for Delete (to G8, Companies Flagged...

...screen (on Figures 2A, 3A, 5, and 6A) displays a list of all customers within **WOM** for the particular country that the P&G Administrator is associated with.

G4: "P&G...

...Figure 2B) displays a list of all systems administrators who have administrative access to the **WOM** .

G5: "CTLC List"
This screen (on Figure 2B) displays a list of all P&G...

...Handlers within this country if arriving at this screen via the Home Page
GT "Pending **Buyer** List"
This screen (on Figure 2B) displays of list of all Pending **Buyers** that have been created by Customer Administrators for all customers within **WOM** 10 for the particular country the P&G Administrator is associated with
G8: "Companies Flagged...
...Figure 2B) displays a list of customers that should no longer be included in the **WOM** system 10. From this screen the user can choose to delete the customer (remove from...

...2B) displays a list of customer addresses that should no longer be included in the **WOM** system 10. From this screen the user can choose to delete the address (remove from...

...2B, 3A, and 8B) allows the P&G Administrator to reset the password of a **buyer** , or to cancel an entry and return to the User List.

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P7: "Password Reset...

...Figure 2B, 3A, and 8B) confirms that the password was successfully reset for the selected **buyer** (via the Password Reset Form screen P6).

P8: "Create User Form"
This is the screen...

...3A, and 8B) that allows the P&G Administrator to create and add a new **buyer** to the system within a selected customer, or to cancel an entry and return to the User List.

FLOW CHART DESCRIPTIONS FOR COMPANY PROFILES SUB-SYSTEM.

PI: "Company Profile" (see **Buyer** Role description, above).

P2d: "Edit **Buyer** Form" (see **Buyer** List description, above).

P3d: "Confirm Edit **Buyer** " (see **Buyer** List description, above).

5 P& "Password Reset Form" (see above description).

P7: "Password Reset Confirmed...

...or who is able to edit the customer order pad, and default language for new **buyers** can be changed on this screen.

P2b: "Edit Bill To"
This screen (on Figures 3A...

...3A and 8A) confirms that changes made to the customer administrator were successful.
P9: "Delete **Buyer** Form"
This screen (on Figures 3B and 8B) displays the list of **buyers** for a customer and allows them to be deleted. The user places a check mark next to each **buyer** to be deleted and then presses the delete button.

"PGViewUserProfile" screen
This screen (on Figures 3B and 8B) allows a new **buyer** to be created or the information about a current **buyer** to be modified. These functions are entered from the Company Profile screen (PI), and their outputs are directed to either the Edit **Buyer** Form screen (P2d) or the Create User Form screen (P8).

FLOW CHART DESCRIPTIONS FOR TRUCK...that were made.

FLOW CHART DESCRIPTIONS FOR P&G CTLC ROLE.

GI: "Log-in" (see **Buyer** Role description, above).

GIE: "Log-in Error" (see **Buyer** Role description, above).

GIO: "What's New" (see **Buyer** Role description, above).
"Other Links" (see **Buyer** Role description, above).

G3: "Company List" (see P&G Administrator Role description, above).

11: "Invoice List" (see Invoice Sub-System within **Buyer** Role description, above).

12: "Invoice Details" (see Invoice Sub-System within **Buyer** Role description, above).

03: "List of Previously Submitted Orders" (see Web Orders Sub-System within **Buyer** Role description, above).

09: "Order Details" (see Web Orders Sub-System within **Buyer** Role description, above).

PI: "Company Profile" (see Company Profiles Sub-System within **Buyer** Role description, above).

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P2d: "Edit **Buyer** Form" (see Company Profiles Sub-System within **Buyer** Role description, above).
G2: "Home Page"
This screen (see Figure 5) is the **WOM** Home Page for the P&G CTLC (Customer Team Logistics Coordinator) that provides links to all areas of the **WOM** system that are appropriate for a CTLC. On Figure 5, these links are as follows...

...P I.

FLOW CHART DESCRIPTIONS FOR P&G ACCOUNT HANDLER ROLE.

GI,: "Log-in" (see **Buyer** Role description, above).

GIE: "Log-in Error" (see **Buyer** Role description, above).

GIO: "What's New" (see **Buyer** Role description, above).

"Other Links" (see **Buyer** Role description, above).

G3: "Company List" (see P&G Administrator Role description, above).

11: "Invoice List" (see Invoice Sub-System within **Buyer** Role description, above).
12: "Invoice Details" (see Invoice Sub-System within **Buyer** Role description, above).

03: "List of Previously Submitted Orders" (see Web Orders Sub-System within **Buyer** Role description, above).

09: "Order Details" (see Web Orders Sub-System within **Buyer** Role description, above).

PI: "Company Profile" (see Company Profiles Sub-System within **Buyer** Role description, above).

P4: "Password Change Form" (see Company Profiles Sub-System within **Buyer** Role description, above).

P5: "Password Change Form" (see Company Profiles Sub-System within **Buyer** Role description, above).

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G2: "Home Page"
This screen (see Figure 6) is the **WOM** Home Page for the P&G Administrator that provides links to all areas of the **WOM** system that are appropriate for a CTLC (Customer Team Logistics Coordinator). On Figure 6, these...

...the CTLC were successful.

FLOW CHART DESCRIPTIONS FOR COMPANY ADMINISTRATOR ROLE.

GI: "Log-in" (see **Buyer** Role description, above).

GIE: "Log-in Error" (see **Buyer** Role description, above).

G10: "What's New" (see **Buyer** Role description, above).

"Other Links" (see **Buyer** Role description, above).

II: "Invoice List" (see Invoice Sub-System within **Buyer** Role description, above).

I2: "Invoice Details" (see Invoice Sub-System within **Buyer** Role description, above).

CI: "Custom Order Pad" (see **Buyer** Role description, above).

C2: "Control Panel" (see **Buyer** Role description, above).

C3: "Order Pad" (see **Buyer** Role description, above).

C3a: "Full Catalog" (see **Buyer** Role description, above).

C3b: "COP Summary" (see **Buyer** Role description, above).

03: "List of Previously Submitted Orders" (see Web Orders Sub-System within **Buyer** Role description, above).

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: "Order Details" (see Web Orders Sub-System within **Buyer** Role description, above).

G2: "Home Page"
This screen (on Figure 7) is the **WOM** Home Page for the P&G Administrator that provides links to all areas of the **WOM** system that are appropriate for a CTLC (Customer Team Logistics Coordinator). On Figure 7, these...

...FOR COMPANY PROFILES SUB-SYSTEM.
P2e: "Edit Admin Form" (see Company Profiles Sub-System of **Buyer** Role description, above).

P2a: "Edit Company Form" (see Company Profiles Sub-System of **Buyer** Role description, above).

P2b: "Edit Bill To Form" (see Company Profiles Sub-System of **Buyer** Role description, above).

P2c: "Edit Ship To Form" (see Company Profiles Sub-System of **Buyer** Role description, above).

P2d: "Edit **Buyer** Form" (see Company Profiles Sub-System of P&G Administrator Role description, above).

P3e: "Confirm Edit Admin" (see Company Profiles Sub-System of **Buyer** Role description, above).

P3a: "Edit Company" (see Company Profiles Sub-System of **Buyer** Role description, above).

P3b: "Confirm Edit Bill To" (see Company Profiles Sub-System of **Buyer** Role description, above).

P3c: "Confirm Edit Ship To" (see Company Profiles Sub-System of **Buyer** Role description, above).

P3d: "Confirm Edit **Buyer** " (see Company Profiles Sub-System of P&G Administrator Role description, above).

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PI: "Company Profile" (see Company Profiles Sub-System of **Buyer** Role description, above).

P4: "Password Change Form" (see Company Profiles Sub-System of **Buyer** Role description, above).

P5: "Password Change Confirmed" (see Company Profiles Sub-System of **Buyer** Role description, above).

P6: "Password Reset Form" (see P&G Administrator Role description, above).

PT...
...description, above).

P8: "Create User Form" (see P&G Administrator Role description, above).

P9: "Delete **Buyer** Form" (see Company Profiles Sub-System of P&G Administrator Role description, above).

"PGViewUser Profile...

...or who is able to edit the customer order pad, and default language for new **buyers** can be changed on this screen.

FLOW CHART DESCRIPTIONS FOR PRODUCT FILTERING.

There are three levels of product filtering available in the **WOM** system.

1) Entire P&G Product;
2) **Customer Specific** Product Catalog; and
3) Custom Order Pad.

The different types of product filtering are described...
...P&G Product Catalog is a listing of all products that are made available within **WOM** to be sold. What is contained in this listing is fully controlled by P&G.

In reference to the **Customer Specific** Product Catalog, in many instances P&G does not make all of its products available...

...Puerto Rico. Not every item is available on every island. To accommodate this requirement, if **customer specific** product catalogs" were created. A **customer specific** product catalog contains a listing of all products that are made available to a specific...

...user is entering quantities, he or she does not want to scroll through the entire **customer specific** product catalog. This is why the Custom Order Pad capability was created. It allows the customer to select a sub-set of their **customer specific** product catalog and create their own Custom Order Pad. It will contain a sub-set of the **Customer Specific** Product Catalog. What is contained in this listing is fully controlled by the customer.

The...
...of products that might be found on a typical set of catalog pages using the **WOM** system 10. The Entire P&G Product Catalog is in the left column, and each of the **Customer Specific** Product Catalogs and Custom

Order Pads are a sub-set of the Entire P&G...

...provided in Figure 13.

Once in the Order Pad function, a step 202 searches the **WOM** 's database for the particular customer's identification number that is presently entering a transaction. After that has been found, a step 204 searches the database at the **WOM** system 10 for this particular customer's list of products. It will be understood that...

...of products that are associated with this particular group. On the other hand, if the **buyer** had not previously selected a particular product grouping before entering the Order Pad screen 04...

...as Procter & Gamble.

Figure 13 depicts a computer display screen that may appear on the **buyer** 's monitor 46, for example. This particular screen is the Order Pad (04), and includes...
...INTERNET EXPLORER'.

Figure 13 also shows the custorriized information which may be used in the **WOM** system 10. For example, an information panel designated at "05" is displayed showing the brand...

...hand side of Figure 13, and provides certain ordering information that is useful to the **buyer** as he or she begins to add products to the list that will make up...

...order. The numbers that are on the control panel indicate fixed maximums and minimums for **truckloads** or pallet sizes, however, the "current" information shown in numeric form is **interactive** , and these numbers will automatically change as products are added to the order list.

The...Pad frameset (i.e., the 04 frameset) is designed to make it easy for the **buyer** to increase his or her quantities to achieve a "quality order" for an entire **truckload** , in typical situations.

As noted above, different information can be displayed on the Order Pad
...
...can be used for the Order Pad screen or frameset 04.

As discussed above, the " **Buyer** Role" depicted on Figure 10 may allow for incomplete orders to be opened and later finalized, if desired by the **buyer** who may decide to be interrupted to open at least one additional order while the...

...re-open that incomplete order. This screen 02 will show all "paper" (or incomplete) orders **simultaneously** that are still not yet completed.

Also as discussed above, the Order Pad frameset 04 can be filtered by the systems administrator 20 of the **WOM** system 10. In the example provided herein, this would be a P&G systems administrator...

...person can limit the choice of products made available to each customer by offering a **customer - specific** product catalog that will be

displayed on the Order Pad screen 04 (e.g., the...

...by both parties in advance that only certain products will be available to that particular **buyer** or customer. Therefore, the P&G administrator can "filter" the entire P&G product line...
...up on such screens for each individual customer.

It will be understood that the term " **web order management** " (or " **WOM** ") refers to functions performed by a computer system that nominally is in communication with multiple **buyers** or customers via the public internet; hence the word "web," which refers to the "World Wide Web," which is based upon the internet. It will also be understood that the " **web order management** computer system" also refers to any type of networked computer system that performs the.functions...

...firewall may potentially be reduced or eliminated.

It will further be understood that the terms " **buyer** " and "administrator" each refer to one or more human beings that operate a computer system, typically either the remote **buyer** 's computer (e.g., computer-CPU 42) or the host **web order management** system's computer (e.g., computer-CPU 12). In other words, a " **buyer** " could be restricted to consisting of a single human being for a very small customer, or a " **buyer** " could consist of literally hundreds of different human beings who each have the responsibility and authority to place orders at the **buyer** 's computer 42. Similarly, an "administrator" could consist of a single human being in the case of a small company that either hosts a **web order management** system or uses the **WOM** system as a **buyer** , On the other hand, if the administrator works for the hosting **web order management** system of a large company (e.g., an employee or contractor for The Procter and...

...authority to perform the administrative functions described above.

Finally, it will be understood that the " **buyer** 's computer system" and " **WOM** system" (or " **web order management** system") tem-iinology as used below in the claims could refer to a single computer system, or a multiple cluster or network of computers. For example, the " **buyer** 's computer system" would likely comprise a personal computer, but could easily instead comprise a workstation, or even a minicomputer system. The hosting **WOM** computer system will likely be a much more powerful computing system, since it will be tasked to communicate with multiple users virtually **simultaneously** in **real time** ; such realistic systems will likely be multi-tasking and may also utilize parallel processors. Certainly...

Claim

1 A method for **interactively** validating and entering orders for products over a computer
network, said method comprising:
(a) providing a **web order management** computer system, a remote **buyer** 's computer
system, and a communications link therebetween;
(b) displaying at said remote **buyer** 's computer system, under control of said **web order management** computer system, an order pad screen that displays at least one of. (i) all products available for purchase by a

**buyer** using said remote **buyer** 's computer system, and (ii) only a pre-selected **customer specific** subset of the products that are available for purchase by a **buyer** using said remote **buyer** 's computer system, wherein said subset of the products is pre-selected by said **buyer** ;
(c) said **buyer interactively** entering ordering information at predetermined locations on said order pad screen until, under control of said **web order management** computer system, a **quality order** is **validated** in substantially **real time** ; and (d) said **buyer** submitting said **validated quality order** to said **web order management** system, by selecting at least one predetermined command.
2 The method as recited in claim 1, further comprising: when said **buyer** enters a quantity as part of the step of placing said quality order, said **web order management** system provides the **buyer** with an "easy typing" feature that automatically converts a number of pallets or layers of...

...the same products.

3 The method as recited in claim 1, further comprising: when said **buyer** enters a quantity as part of the step of placing said quality order, said web order management system automatically determines a "pack level" for each individual product that is available for purchase using said **web order management** system.

4 The method as recited in claim 1, wherein said pre-selected **customer specific** subset of the products that are available for purchase by a **buyer** comprises a group of products that are related to one another by at least one common characteristic.
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. A **customer specific** method for **interactively** validating and entering orders for products
over a computer network, said method comprising:
(a) providing a **web order management** system, a first remote **buyer** 's computer system, a communications link therebetween, second remote **buyer** 's computer system, and a communications link between said **web order management** system
and said second remote **buyer** 's computer system;
(b) displaying at said first remote **buyer** 's computer system, under control of said **web order management** computer system, a first product catalog screen in which only a first set of pre-determined products is displayed for said first **buyer** to select from, wherein said first set of pre-determined products is a first subset of all products sold by way of said **web order management** system, and wherein said first set of pre-determined products is selected by an administrator of said **web**
**order management** system; and
(c) displaying at said second remote **buyer** 's computer system, under control of said **web order** ' **management** computer system, a second product catalog screen in which only a second set of pre-determined products is displayed for said second **buyer** to select from, wherein said second set of pre-detern-iined products is a
second, different subset of all products sold by way of said **web order**

**management** computer system, and wherein said second set of pre-detem-lined products is selected by an administrator of said **web**

**order management** system.

6 The method as recited in claim 5, wherein said first set of pre-determined products represents all products that can be purchased by said first **buyer** when using said **web order management** computer system, and wherein said second set of pre-determined products represents all products that can be purchased by said second **buyer** when using said **web order management** system.

7 The method as recited in claim 5, wherein said first set of pre-determined products represents a subset of all products that can be purchased by said first **buyer** when using said **web order management** computer system, and wherein said second set of pr edetermined products represents a subset of all products that can be purchased by said second **buyer** when using said **web order management** system.

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. The method as recited in claim 5, further comprising: displaying on at least one additional remote **buyer** 's computer system, under control of said **web order management** computer system, at least one additional product catalog screen in which only at least one additional set of pre-determined products is displayed for said at least one additional remote **buyer** to select from, wherein said at least one additional set of pre-determined products is an additional, different subset of all products sold by way of said **web order management** computer system, and wherein said at least one additional set of predetermined products is selected by an administrator of said **web order management** system.

9 A method for validating and entering orders for products over a computer network, said
method comprising:
(a) providing a **web order management** computer system, a remote **buyer** 's computer
system, and a communications link therebetween;
(b) displaying at said remote **buyer** 's computer system, under control of said **web order management** system, an order pad screen which displays a plurality of products that are available for purchase by a **buyer** using said remote **buyer** 's
computer system;
(c) said **buyer** entering ordering information at predetermined locations on said order pad screen and either: (i) completing...

...enter ordering information for said first order or said second order under control of said **web order management** system, until receiving a message from said **web order management** system that a quality order had been
achieved for one of said first and second orders; and
(d) said **buyer** submitting said quality order to said **web order management** system, by selecting at least one predetermined command.

10 The method as recited in claim 9, wherein after said second order is commenced, said **buyer** completes said second procedure and finishes said second order before going back to said first...

...The method as recited in claim 9, wherein after said second order is commenced, said **buyer** does not complete a second procedure and finish said second order at that time, and...

...incomplete order to complete the first procedure and finish the first order; and later said **buyer** goes back to said second, incomplete order to complete the second procedure and finish the...

...before finishing either of said first order or said second order.

14 A method for **interactively** validating and entering orders for products over a computer
network, said method comprising the steps of:
(a) providing a **web order management** computer system, said **web order**
**management** computer system being capable of being connected to a remote **buyer** 's computer system;
(b) causing an order pad screen to be displayed at said remote **buyer** 's computer system under control of said **web order management** computer system, said order pad screen displaying at least one of the group consisting of: (i) all products available for purchase using said remote **buyer** 's computer system, and (ii) only a pre-selected **customer specific** subset of the products that are available for purchase using said remote **buyer** 's computer system, wherein said subset of the products is pre-selected by said **buyer** ;
(c) receiving ordering information from said **buyer** 's computer system, wherein said ordering information is entered at predetermined locations on said order pad
screen;
(d) **interactively** evaluating said ordering information to determine if such information represents a quality order and providing to said **buyer** 's computer system information pertaining to the quality order status of said ordering information such that updated ordering information may be repetitively received
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and evaluated in substantially **real time** until a **quality order** is received and
**validated** ; and
(e) receiving from said **buyer** 's system computer a validated quality though the selection of at least one predetermined command.

15 A **customer specific** method for **interactively** validating and entering orders for products
over a computer network, said method comprising:
(a) providing a **web order management** computer system, said **web order**
**management** computer system being capable of being connected to at least a first remote **buyer** 's computer system and a second remote **buyer** 's computer system; (b) causing a first product catalog screen to be displayed at said first remote **buyer** 's computer system under control of said **web order management** computer system, in which only a first set of pre-determined products is displayed, wherein...

...pre-determined products is a first subset of all products sold by way of said **web order management** system, and wherein said first set of pre-determined products is selected by an administrator of said **web order management** system;
and
(c) causing a second product catalog screen to be displayed at said

second remote **buyer** 's computer system under control of said **web order management** computer system, in which only a second set of pre-determined products is displayed, wherein...

...pre-determined products is a second subset of all products sold by way of said **web order management** system, wherein said second set of pre-determined products is selected by an administrator of said **web order management** system, and wherein said first subset of all products sold by way of said **web order management** system is different from said second subset of all products sold by way of said **web order management** system.

16 A method for ordering products over a computer network, said method comprising: (a) viewing an order pad screen displayed on a **buyer** computer system, wherein sa id order pad screen is under control of a **web order management** system, said **web order management** system being remote from **buyer** computer system, wherein
said order pad screen displays a plurality of products that are available
...

...enter ordering information for said first order or said second order under control of said **web order management** system, until receiving a message from said **web order management** system that a quality order had been
achieved for one of said first and second orders; and
(d) submitting said quality order to said **web order management** system, by selecting at least one predetermined command.

17 A **web order management** system for **interactively** validating and entering orders for
products over a computer network, said system comprising:
(a) a host computer system, host computer system being capable of being connected
to a remote **buyer** 's computer system;
(b) a set of machine reading program instructions which cause an order pad screen to be displayed at said remote **buyer** 's computer system under control of said web host computer system, wherein said order pad...

...one of the group consisting of: (i) all products available for purchase using said remote **buyer** 's computer system, and (ii) only a pre-selected **customer specific** subset of the products that are available for purchase using said remote **buyer** 's computer system, wherein said subset of the products is pre-selected by said **buyer** ; (e) machine readable instructions which allow for ordering information to be
received from said **buyer** 's computer system by said host computer system;
(f) machine readable instructions which cause said...

...information to determine if such information represents a quality order

and which transmit to said **buyer** 's computer system information pertaining to the quality order status of said ordering information such that a user of said **buyer** 's computer system may enter updated ordering information which information may be repetitively received and evaluated in substantially **real time** until a **quality order** is received and

**validated** .
39
?
**22/3,K/1 (Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX


0012687490
WPI ACC NO: 2002-538229/200257
XRPX Acc No: N2002-426235
**Real time, customer specific Web Order Management (WOM) system**
Patent Assignee: PROCTER & GAMBLE CO (PROC)
Inventor: **PETONG P**
**Patent Family** (4 patents, 99 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---|---|---|---|---|---|---|
| WO 2002056148 | A2 | 20020718 | WO 2002US722 | A | 20020110 | 200257 B |
| AU 2002241844 | A1 | 20020724 | AU 2002241844 | A | 20020110 | 200427 E |
| EP 1410141 | A2 | 20040421 | EP 2002707437 | A | 20020110 | 200427 E |
| | | | WO 2002US722 | A | 20020110 | |
| US 20050049926 | A1 | 20050303 | US 2001261491 | P | 20010112 | 200517 E |
| | | | WO 2002US722 | A | 20020110 | |
| | | | US 2003617462 | A | 20030711 | |

Priority Applications (no., kind, date): US 2001261491 P 20010112; WO 2002US722 A 20020110; US 2003617462 A 20030711

**Patent Details**

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|---|---|---|---|---|
| WO 2002056148 | A2 | EN | 58 | 13 | |

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW
AU 2002241844 A1 EN Based on OPI patent WO 2002056148
EP 1410141 A2 EN PCT Application WO 2002US722
Based on OPI patent WO 2002056148
Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR
US 20050049926 A1 EN Related to Provisional US 2001261491
Continuation of application WO 2002US722

Inventor: **PETONG P**

**Alerting Abstract** ...the buyer is a quality order, which as an example may mean that an entire **truckload** (in most countries) is being ordered from a single location, such as a distributor or...

**Original Publication Data by Authority**

Inventor name & address:

**PETONG P ...**

**... PETONG, Patrice ...**

**... Petong, Patrice ...**

**... PETONG, Patrice**
**Original Abstracts:**
...the buyer is a "quality order," which as an example may mean that an entire **truckload** (in most countries) **is** being ordered from a single location, such as a distributor or a warehouse. The WOM...

...the buyer is a "quality order," which as an example may mean that an entire **truckload** (in most countries) is being ordered from a **single** location, such as a distributor or a warehouse. The WOM system may have a global...
...the buyer is a "quality order," which as an example may mean that an entire **truckload** (in most countries) is being ordered from a single location, such as a **distributor** or a warehouse. The WOM system may have a global reach and the access for...

**22/3,K/2 (Item 1 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00922114 **Image available**
**CUSTOMER SPECIFIC WEB ORDER MANAGEMENT SYSTEM WHICH PROVIDES REAL TIME**
**"QUALITY ORDER" VALIDATION**
**SYSTEME DE GESTION DE COMMANDE INTERNET PERSONNALISEE ENDOSSANT LA <=**
**COMMANDE DE QUALITE >= EN TEMPS REEL**
Patent Applicant/Assignee:
THE PROCTER & GAMBLE COMPANY, One Procter & Gamble Plaza, Cincinnati, OH 45202, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
**PETONG Patrice**, Breslauer Strabe 13, Kelkheim, 65779 Hessen, DE, DE (Residence), DE (Nationality), (Designated only for: US)
Legal Representative:
THE PROCTER & GAMBLE COMPANY (commercial rep.), c/o Mr. T. David Reed, 5299 Spring Grove Avenue, Cincinnati, OH 45217, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200256148 A2-A3 20020718 (WO 0256148)
Application: WO 2002US722 20020110 (PCT/WO US02000722)
Priority Application: US 2001261491 20010112
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK (utility model) SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12276

Patent Applicant/Inventor:
**PETONG Patrice** ...
Fulltext Availability:
Detailed Description

English Abstract
...the buyer is a "quality order," which as an example may mean that an entire **truckload** (in most countries) is being ordered from a distributor or a warehouse. The WOM system...

Detailed Description
... When large quantities of goods are ordered so that they may essentially require an entire **trailer load** for delivery, the purchaser or "buyer" may have several options, and perhaps could order several different products from a particular distributor or manufacturer to create the " **truckload** " of goods. However, the purchaser[buyer may not be aware of the normal shipping requirements for a **truckload** of goods, and may attempt to instigate an order that is not a "quality order," which means that there is not a true **truckload** of goods since the trailer would not be adequately filled, or that the quantity exceeded ...the order received from the buyer is a "quality order," which means that an entire **truckload** (in most countries) is being ordered from a single location, such as a distributor or...order. The numbers that are on the control panel indicate fixed maximums and minimums for **truckloads** or pallet sizes, however, the "current" information shown in numeric form is interactive, and these...buyer to increase his or her quantities to achieve a "quality order" for an entire **truckload** , in typical situations.

As noted above, different information can be displayed on the Order Pad
...
?

# ABSTRACT FILES

File 2:INSPEC 1898-2008/Feb W4
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(c) 2008 The New York Times
File 475:Wall Street Journal Abs 1973-2008/Mar 24
(c) 2008 The New York Times
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

Set Items Description
S1 1824522 ORDER OR ORDERS OR ORDERING
S2 180704 PURCHASE OR PURCHASES OR PURCHASING
S3 13899 (S1 OR S2)(5N)(ONLINE OR ON()LINE OR COMPUTERI? OR AUTOMATE? OR ELECTRONIC?)
S4 3940 (S1 OR S2)(5N)INTERNET
S5 549 WOM OR WEB(1W)ORDER()MANAGEMENT
S6 1952615 REAL()TIME OR REALTIME OR INTERACTIV? OR ITERATIVE? OR BACK()FORTH OR BACKWARD()FORWARD OR DYNAMIC? OR SIMULTAN? OR CURRENT? OF INSTANT? OR IMMEDIAT? OR INSTANTAN? OR ON(1W)FLY
S7 21810 TRADE()(CLIENT?? OR CUSTOMER??) OR TRADER OR TRADERS
S8 85316 VENDOR? OR SELLER? OR MERCHANT?
S9 54463 CUSTOMER()SPECIFIC OR BUYER??
S10 5499 TRUCKLOAD? OR (TRUCK OR FULL OR TRAILER??)(1W)(LOAD OR LOADS)
S11 5224 QUALITY(3N)(ORDER OR ORDERS)
S12 109 S11(5N)(CREAT? OR GENERAT?)
S13 17 S11(5N)(VALID? OR AUTHENTICAT? OR APPROV? OR AUTHORIZ? OR AUTHORIS?)
S14 269 (ONLINE OR ON()LINE)(5N)(SESSION OR SESSIONS)
S15 23 S14(5N)(ONE OR SINGLE OR SAME OR SOLE)
S16 2 AU=(PETON, P? OR PETONG P? OR PATRICE(2)PETONG)
S17 17931 S3 OR S4 OR S5
S18 1885 S17 AND S6
S19 93 S18 AND (S7:S9)
S20 0 S19 AND (S10 OR S12 OR S13)
S21 0 S19 AND S15
S22 1 S19 AND S11
S23 0 S19 AND S14
S24 66 S19 NOT PY>2001
S25 66 RD (unique items)
S26 33 S25 NOT VENDOR??
S27 2 RD S16 (unique items)
?

**22/3,K/1 (Item 1 from file: 35)**
DIALOG(R)File 35:Dissertation Abs Online
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02006350 ORDER NO: AADAA-I3126337
**Essays in empirical market microstructure**
Author: Erenburg, Grigori
Degree: Ph.D.
Year: 2004
Corporate Source/Institution: State University of New York at Binghamton (0792)
Source: VOLUME 65/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1052. 132 PAGES

...of three essays in empirical market microstructure. In the first essay I investigate competition for **order** flow, market **quality** , and price discovery in the Nasdaq 100 Index Tracking Stock (QQQ). The QQQ, an AMEX...

...the effects of macroeconomic announcements on equity index markets. By employing transactions data that contain **trader** type identification codes, I examine trading patterns of exchange locals and off-exchange customers in...

...mini S&P 500 index futures around the announcements. The empirical results show that **immediately** after the announcement locals are able to time their trades better than off-exchange **traders** . I find locals to be net **buyers** ( **sellers** ) and off-exchange **traders** to be net **sellers** ( **buyers** ) after positive (negative) surprise announcements. I also compare the speed of the price reaction to...

...accelerate price adjustment to scheduled public information releases.

In the third essay I investigate the **dynamics** of the Island **electronic** communication network (ECN) limit **order** book around macroeconomic announcements in the market for the Nasdaq 100 equity-index tracking stock...

...quotes. The proportion of submitted limit orders decreases around announcements, which reflects the shift in **traders** ' preferences from limit orders towards market orders in times of high informational volatility. Finally, I...

?

**26/3,K/1 (Item 1 from file: 2)**

DIALOG(R)File 2:INSPEC



08149266 INSPEC Abstract Number: C2002-02-0230B-009

**Title: Electronic commerce: an Indian perspective**

Author(s): Ahmad, F.

Author Affiliation: Dept. of Law, Kashmir Univ., Srinagar, India

Journal: International Journal of Law and Information Technology vol.9, no.2 p.133-70

Publisher: Oxford University Press,

Publication Date: Summer 2001 Country of Publication: UK

CODEN: IJLTFW ISSN: 0967-0769

SICI: 0967-0769(200122)9:2L.133:ECIP;1-P

Material Identity Number: G134-2001-002

Language: English

Subfile: C



...Abstract: way of life. Originally confined to military establishments the Internet has, due to its speed, **interactivity** and flexibility, tremendous potential to disseminate information beyond geographical boundaries. Diverse activities which at present...

... whole globe has been converted into a market place. Manifold advantages have unfolded both for **sellers** as well as **buyers** . The **seller** now can

reach any part of the globe and the **buyer** has unlimited choice to access any **seller** . Efficiency has been greatly increased, paper work reduced, time lag shortened and expenses lessened. The...

...we are accustomed in a physical environment can now be executed over the Internet including, **on - line** advertising, **on - line ordering** , publishing, banking, investment, auctions, and professional services.
...Identifiers: **online ordering**

**26/3,K/2 (Item 2 from file: 2)**
DIALOG(R)File 2:INSPEC


07750585
**Title: Opening bids [online auctions]**
Author(s): Thomas, E.
Journal: Supply Management p.36-7
Publisher: Personnel Publications for Chartered Inst. Purchasing & Supply
Publication Date: 21 Sept. 2000 Country of Publication: UK
CODEN: SUMAFV ISSN: 1362-2021
Material Identity Number: F147-2000-019
Language: English
Subfile: D


Abstract: Although e-commerce has freed **buyers** from the grind of paperwork, there are plenty of new demands on their skills. E-commerce encourages companies to source globally, for example, and **buyers** often have to identify new suppliers in different countries. In a study for FreeMarkets, an **online** auction specialist, most **purchasing** professionals said that finding the right suppliers was their greatest challenge. Increasing international competition also puts purchasers under pressure to cut costs. According to an increasing number of **buyers** , **real - time** electronic auctions are a good way of making suppliers share the squeeze on margins while...

... for example, suppliers compete for customers' orders of industrial parts, raw materials, commodities and services. **Buyers** can watch on screen as suppliers lower their prices until the auction is closed.

**26/3,K/3 (Item 3 from file: 2)**
DIALOG(R)File 2:INSPEC


07654809 INSPEC Abstract Number: C2000-09-7120-007
**Title: E-commerce is key to global competitiveness-but is there anyone you can trust in the online world?**
Author(s): Talwatte, G.
Journal: Business Information Review vol.17, no.2 p.78-81
Publisher: Bowker-Saur,
Publication Date: June 2000 Country of Publication: UK
CODEN: BIREEY ISSN: 0266-3821
SICI: 0266-3821(200006)17:2L.78:CGCT;1-9

Material Identity Number: K555-2000-002
Language: English
Subfile: C


...Abstract: not just as a security issue, but as an issue covering the legal environment of **purchasing online** and the ability to be able to have **instantaneous** clarification that the person or company involved with has passed a credit verification and is...

... B database, containing information on over 57 million companies worldwide, to deliver business credentials on **buyers** and **sellers** in **real - time** , at the point of an E-commerce transaction, Working with key digital certificate providers and...
...Identifiers: **online purchasing** ;

**26/3,K/4 (Item 4 from file: 2)**
DIALOG(R)File 2:INSPEC


07006751
**Title: Everything must go...on the World Wide Web**
Author(s): Leighton, H.
Journal: Chain Store Age vol.74, no.7 p.158
Publisher: Lebhar-Friedman,
Publication Date: July 1998 Country of Publication: USA
CODEN: CSAGAW ISSN: 0193-1199
SICI: 0193-1199(199807)74:7L.158:EMWW;1-Y
Material Identity Number: D448-98007
Language: English
Subfile: D


...Abstract: Apparel catalogers are doing it, too. Now mass retailers are getting into the act. These **merchants** are using **real - time** technology to hold closeout sales directly on the World Wide Web, rather than selling to...

... update inventory on a minute-by-minute basis, combined with the cost-efficiency of taking **orders** on the **Internet** , makes **on - line** stores an ideal medium for sales of limited quantities of overstock. This method of liquidation is most useful for apparel and gift **merchants** , whose clientele are accustomed to overnight markdowns on seasonal merchandise.

**26/3,K/5 (Item 5 from file: 2)**
DIALOG(R)File 2:INSPEC


06837000
**Title: Get by with a little help from the Web**
Author(s): Rose, H.
Journal: Retail Automation vol.18, no.1 p.35-6
Publisher: RMDP Ltd,

Publication Date: Jan.-Feb. 1998 Country of Publication: UK
CODEN: REAUFA ISSN: 0263-1377
SICI: 0263-1377(199801/02)18:1L.35:WLHF;1-H
Material Identity Number: B444-98001
Language: English
Subfile: D


Abstract: The British have become enthusiastic wine **buyers** in the last few years, but few of us would call ourselves experts in the...

...would-be wine-buffs-over the Internet, no less-at the Web site of wine **merchant** Lay Q Wheeler. Late last year, the company launched what it calls the Intelligent Wine...

... and its Web software development tool Amazon, the Intelligent Wine System is more than an **electronic order** form: it is an **interactive** wine guide designed to appeal both to the discerning **buyer** and to those with a taste for wine but less knowledge of the subject.
...Identifiers: Lay Q Wheeler wine **merchant** ; ...

... **interactive** wine guide...

... **electronic order** form

**26/3,K/6 (Item 6 from file: 2)**
DIALOG(R)File 2:INSPEC


06420800
**Title: From surfing to sourcing**
Author(s): Tulip, S.
Journal: Supply Management vol.1, no.16 p.24-7
Publisher: Personnel Publications for Chartered Inst. Purchasing & Supply
Publication Date: 17 Oct. 1996 Country of Publication: UK
CODEN: SUMAFV ISSN: 1362-2021
SICI: 1362-2021(19961017)1:16L.24:FSS;1-N
Material Identity Number: F147-96008
Language: English
Subfile: D


Abstract: In the past, many **purchasing** professionals have rejected **electronic** commerce on the Internet as the dream of enthusiasts and software **sellers** . Electronic commerce is taking off, fuelled by the commercial judgement of thousands of individual firms...
...Descriptors: **real - time** systems

**26/3,K/7 (Item 7 from file: 2)**
DIALOG(R)File 2:INSPEC


05524867 INSPEC Abstract Number: C9401-7120-001

**Title: Auctions as algorithms: computerized trade execution and price discovery**
Author(s): Domowitz, I.; Wang, J.
Author Affiliation: Northwestern Univ., Evanston, IL, USA
Journal: Journal of Economic Dynamics and Control vol.18, no.1 p. 29-60
Publication Date: Jan. 1994 Country of Publication: Netherlands
CODEN: JEDCDH ISSN: 0165-1889
U.S. Copyright Clearance Center Code: 0165-1889/94/$06.00
Language: English
Subfile: C

...Abstract: as a new form of market institution, characterized by communications technologies for passing messages between **traders** and a set of programmed rules that restrict the message space and process messages into...

... quotations and transactions prices, given order arrival rates conditioned on information available through the limit **order** book, are derived for an **automated** continuous auction system with price and time priority rules. The key to the analysis is the application of the theory of queues with preemptive priorities to the problem of two **interactive** queues. The model then is used to characterize the structure of the **electronic order** book in terms of the distributions of the number of buy and sell orders in...
...Identifiers: **electronic order** book

**26/3,K/8 (Item 8 from file: 2)**
DIALOG(R)File 2:INSPEC
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05316161
**Title: 'Real' automation hits purchasing**
Author(s): Evans-Correia, K.
Journal: Purchasing vol.113, no.6 p.61, 63, 65
Publication Date: 22 Oct. 1992 Country of Publication: USA
CODEN: PURCAO ISSN: 0033-4448
Language: English
Subfile: D

Abstract: **Immediate** access to information is fast becoming a **buyer** 's most important asset. Indeed, **buyers** say the ability to obtain data such as supplier and purchase history, is the number one reason for automating the **purchasing** function. Such an **automated purchasing** department can mean anything from a Local Area Network (LAN) connecting three personal computers to...
Identifiers: **buyers** ;

**26/3,K/9 (Item 9 from file: 2)**
DIALOG(R)File 2:INSPEC
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05050989
**Title: Taking stock**

Author(s): Maddox, M.
Journal: British Printer vol.104, no.10 p.41
Publication Date: Oct. 1991 Country of Publication: UK
CODEN: BRPRAK ISSN: 0007-1684
Language: English
Subfile: D

Abstract: Paper **merchants** are becoming increasingly **computerised** in **order** to offer a faster service. Wiggins Teape Paper (WTP) is now utilising a new computer-based information system that offers printers and other paper **buyers** **immediate** access to stock held in all of the company's eight regional depots. Combined with a new warehouse control system, the information system allows direct entry order taking and **instantaneous** order tracking. At the same time, WTP has adopted a more powerful stock management approach...
Identifiers: paper **merchants** ;

**26/3,K/10 (Item 10 from file: 2)**
DIALOG(R)File 2:INSPEC


04003633 INSPEC Abstract Number: D87002746
**Title: Minding the till (marketing)**
Author(s): Bolt, R.
Journal: Canadian Business vol.60, no.9 p.27-30
Publication Date: Sept. 1987 Country of Publication: Canada
CODEN: CABUAL ISSN: 0008-3100
Language: English
Subfile: D

...Abstract: says the software, called The Retailer, used with point-of-sale terminals and computers, takes **merchants** into a whole new world of **instantaneous** inventory control, automatic **ordering** and fast, easy bookkeeping. With **computerisation** now essential and affordable for small businesses, Bill Traxler is at the forefront of business...

**26/3,K/11 (Item 11 from file: 2)**
DIALOG(R)File 2:INSPEC


03490985 INSPEC Abstract Number: D85002055
**Title: Software system** automates **trade** order **entry**
Journal: Bank Systems & Equipment vol.22, no.5 p.6
Publication Date: May 1985 Country of Publication: USA
CODEN: BSEQD6 ISSN: 0146-0900
Language: English
Subfile: D

**Title: Software system** automates **trade** order **entry**
...Abstract: Securities Processing System (VSPS). The system developed by Vista Concepts, Inc. supplies investment officers and **traders** with **real - time** information on customer asset positions. The division has transmitted and executed buy and sell orders...
...Identifiers: **traders** ; ...

... **real - time** information

**26/3,K/12 (Item 1 from file: 35)**
DIALOG(R)File 35:Dissertation Abs Online


01829865 ORDER NO: AADAA-I3012172
**Consumers' channel preferences: An integrated model**
Author: Noble, Stephanie M.
Degree: Ph.D.
Year: 2001
Corporate Source/Institution: University of Massachusetts Amherst (0118)
Source: VOLUME 62/04-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1507. 189 PAGES
ISBN: 0-493-22487-4

...Namely, the internet is just one of many channels from which consumers' can choose to **purchase** products. Current articles on **internet** patronage, as well as the previous work on other channels, have failed to account for...

...that consumers have some type of access to the internet, which is essential for any **on - line purchases** . Two-thousand consumers were mailed a 6-page survey asking for their participation. Eight-hundred...

...The results showed that product class knowledge, familiarity/prior use with a purchasing channel, and **immediate** possession motives were the only predictors that influenced consumers' preferences for all three channels included...

...internet). Other factors influencing channel preferences included risk aversion, merchandise uniqueness motives, loyalty to local **merchants** , catalog recreation motives, and the respondent's age. Despite the large number of constructs investigated...

**26/3,K/13 (Item 2 from file: 35)**
DIALOG(R)File 35:Dissertation Abs Online


01816984 ORDER NO: AADAA-I3003649
**Essays on microstructure and the use of information in limit order markets**
Author: Labys, Walter Paul
Degree: Ph.D.
Year: 2001
Corporate Source/Institution: University of Pennsylvania (0175)
Source: VOLUME 62/02-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 688. 195 PAGES
ISBN: 0-493-12977-4

...by-second basis, but its data set omits such critical elements as the time of **order** cancellation and the **electronic order** book's composition. In this dissertation, I develop a method to reconstruct the internal states...

...to simulate the internal state of the system over time, replicating the markets hidden microstructural **dynamics** .
In Chapter Two, I conduct an empirical analysis of a year's worth of reconstructed...

...a series of hypotheses relevant to order hiding. I find that order hiding decreases the **immediate** impact that a limit order has on the market while reducing the amount of undercutting...

...of orders with the market, order hiding can be a useful tool for limit order **traders** wishing to mitigate adverse selection risk.
In Chapter Three, I construct a theoretic model of a limit order market in which **traders** use order hiding as a strategic mechanism in the struggle for liquidity. Their interaction can be represented as a **dynamic** game of incomplete information, or signaling game, in which **traders** try to deduce the true depths contained in the book, information which has a critical...

**26/3,K/14 (Item 3 from file: 35)**
DIALOG(R)File 35:Dissertation Abs Online


01424332 ORDER NO: AADAA-I9523612
**OPTIMIZATION OF COMBINATION TRADING WITH LIMIT ORDERS (STOCK MARKET TRADING, COMMODITIES TRADING)**
Author: SCHELLHORN, HENRY
Degree: PH.D.
Year: 1995
Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, LOS ANGELES ( 0031)
Source: VOLUME 56/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 1683. 192 PAGES

...Debreu securities. The market design we consider is the batched trading (periodic call) regime, where **traders** place mostly limit orders, but market orders are also authorized in limited quantity.
Under certain conditions on the utility functions of the **traders** , we prove that consistent prices are optimal, using standard duality techniques. We then develop a fixed-point algorithm to compute an optimal price and allocation in **real - time** . The two main steps of this algorithm are the computation of an approximate solution via...

...a path-following (homotopy) method. We describe the possibility to implement this algorithm in an **electronic** options and futures exchange, in **order** to clear the market at the opening of the trading day.

**26/3,K/15 (Item 4 from file: 35)**
DIALOG(R)File 35:Dissertation Abs Online


01115492 ORDER NO: AAD90-22979
**AN EXPLORATORY STUDY OF TRUST IN BUYER - SELLER RELATIONSHIPS**
Author: HOLDEN, REED KENNETH

Degree: D.B.A.
Year: 1990
Corporate Source/Institution: BOSTON UNIVERSITY (0017)
Source: VOLUME 51/03-A OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 932. 331 PAGES

**AN EXPLORATORY STUDY OF TRUST IN** BUYER - SELLER **RELATIONSHIPS**

This dissertation proposes and confirms that trust is a major element in evaluating relationships between **buyers** and **sellers** in an industrial purchasing situation. It confirms the need to include trust as a major construct to be measured in an **interactive** and **dynamic** model of **buyer - seller** relationships. Data was collected from 167 **purchasing** agents from seven different **electronics** industries regarding their **purchasing** of several types of **electronic** circuit boards.

The subsequent analysis accomplished four primary objectives. First, it developed reliable and valid...

...The second objective was to identify how trust was impacted by types of relationships between **buyers** and **sellers** . The general hypothesis was that the length of the relationship between **buyers** and **sellers** would have a positive impact on trusting attitudes held by the purchasing agent for the...

...was to develop a better understanding of what the result of trust in relationships between **buyers** and **seller** might be. When **buyers** have higher levels of trust in salespeople and a marketing company, they are likely to pursue more cooperative negotiations and open communications. Finally, **buyers** who trust the selling company are much more likely to exhibit loyal purchasing behavior toward...

**26/3,K/16 (Item 1 from file: 99)**
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs


2575219 H.W. WILSON RECORD NUMBER: BAST00068199
**Help wanted: WMS solves e-store problems**
Trunk, Christopher;
Material Handling Management v. 55 no10 (2000) p. A/36-A/37
DOCUMENT TYPE: Feature Article ISSN: 1529-4897

ABSTRACT: Part of a special section on distribution considerations for Internet-based **sellers** . The importance of warehouse management systems (WMSs) to combat **order** -fulfillment problems for **Internet** -based **sellers** is explained. WMSs eliminate keying of order data, enabling **real - time** flow of data between the WMS and the e-store. A chart detailing this flow ...

**26/3,K/17 (Item 2 from file: 99)**
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs


2027954 H.W. WILSON RECORD NUMBER: BAST94039911
**Transaction-oriented applications via National ISDN**
Patrick, Phil;

IEEE Communications Magazine v. 32 (June 1994) p. 44-8
DOCUMENT TYPE: Feature Article ISSN: 0163-6804

...ABSTRACT: equipment such as the T3POS Packet Assembly/Disassembly and the National ISDN data services provide **merchants** with a much more cost-effective means of obtaining leased-line-like performance for credit/debit authorization and other emerging **real - time** point-of-sale applications. Such applications include inventory management, **electronic purchase ordering**, and credit account database access. National ISDN features and complementary telecommunications devices with a market...

**26/3,K/18 (Item 1 from file: 475)**
DIALOG(R)File 475:Wall Street Journal Abs


06000677
**TOOLS OF TRADES OFTEN CAN BEWITCH INVESTORS IN COMMODITIES MARKETS**
ANGRIST, STANLEY W
Wall Street Journal, Col. 3, Pg. 1, Sec. C
Tuesday January 8 1991

ABSTRACT:
Article focuses on increasing **purchase** of **computerized**, **real - time** quote equipment by investors seeking to obtain steady flow of prices of trades occurring in futures pits; many experts believe quote equipment may be waste of money for many **traders** (M)

**26/3,K/19 (Item 1 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)


09406088
Alliances for the greater purchasing good
UK: B2B EXCHANGES PROVIDE A NEW STRATEGIC OPTION
Financial Times (FT) 17 Nov 2000 FT Director p.II
Language: ENGLISH

In its simplest form an online business-to-business (B2B) exchange allows a **buyer** to examine an **online** catalogue and place an **order** more easily. However it also has a wider benefit because it allows everyone involved in the supply chain to exchange information in **real - time**, resulting in increased transparency and a reduction in excess inventory levels, which in turn produces...

**26/3,K/20 (Item 2 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)


09349913
dstore's about turn to bricks and mortar
AUSTRALIA: DSTORE GOES OFFLINE FOR EXPANSION
Australian Financial Review (AFR) 16 Aug 2000 p.32
Language: ENGLISH

Australia's online retailer dstore is poised to introduce new distribution lines via **interactive** television applications, mail order and cataloque, as it moves to establish a physical presence in...

... Similarly, the company also plans to set up a string of kiosks to allow its **online buyers** to claim their **purchases** . These kiosks will be set up along main traffic roadside across the country. Dstore will...

**26/3,K/21 (Item 3 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09349272
Shipping, tracking portal launched
MALAYSIA: SHIPNTRACK.COM PORTAL IN SERVICE
The Star (XAT) 23 Aug 2000 Business p.8
Language: ENGLISH

... namesake portal in Malaysia. Aimed to facilitate e-commerce companies, the newly launched portal offers **online buyers real - time purchasing** decisions coupled with more detailed information on tracking, services and rates, while **sellers** on the Web can prepare, manage and send orders at a faster rate.

**26/3,K/22 (Item 4 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09252296
Internet-Radio im Eigenbau
AUSTRIA: LIBRO LAUNCHES INTERNET RADIO
Der Standard (XGO) 14 Mar 2000 p.27
Language: GERMAN

Lion.cc, the internet portal of the Austrian book **seller** Libro, has launched an internet radio channel <for young people>. XXL-Radio is an **interactive** forum for music and chat. Listeners can **order** an **Internet** Radio Construction Kit from Lion.cc, which will allow them to make their own contributions...

**26/3,K/23 (Item 5 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09219363
SK Brothers launches Soho online property site
MALAYSIA: SK BROTHERS BARES ONLINE PROPERTY SALE
New Straits Times (XAS) 03 Jan 2000 p.24
Language: ENGLISH

... estate agency, has kicked off a new innovative property marketing drive that enables interested house **buyers** to **purchase** properties via the

**Internet** . Dubbed as "Shop Office, Home Office" or Soho, the new programme is facilitated by SK Brothers' on-line property website which is accessible worldwide at eproperty.com. my. Apart from **electronic purchases** , the programme enables the company's negotiators to conduct business online. The eproperty website is primarily an **interactive** platform that will carry out a search and identify all available housing units based on the specific requirements keyed in by the interested **buyers** . The system also caters to **sellers** of housing properties. The entire Soho facility is slated to be completed by June 2000.

**26/3,K/24 (Item 6 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09198534
Visit this Web site to order health products
SINGAPORE: EZYHEALTH UNVEILS HEALTH PORTAL
Business Times (XBA) 20 Nov 1999 p.8
Language: ENGLISH

...its Internet health portal that provides the public access to buy health products on the **Internet** . **Internet** users can **order** products like exercise machines and beauty products. There are nine **merchants** selling products on the website, with another five to come on in a week. The...

... Hong Kong by mid-2000. Chinese language websites will be offered but there are no **immediate** plans for Malay websites.

**26/3,K/25 (Item 7 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09088539
Barco Graphics innove dans le "e-commerce"
BELGIUM: BARCO GRAPHICS OFFERS CAD SOFTWARE
L'Echo (EB) 13 Apr 1999 p.6
Language: FRENCH

... two computer assisted publication software products for the graphics industry ('boostX' and 'finalEye') on the **Internet** . The innovative **real - time purchasing** process allows the **buyer** to get a 'key' which enables the **immediate** access of the new software.

**26/3,K/26 (Item 8 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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09078860
LG's on-line shopping mall offers wide rangeof jewelry
SOUTH KOREA: LG SELLS JEWELLERY ON THE NET
The Korea Herald (XBF) 19 Mar 1999 p.12
Language: ENGLISH

... be refunded 10 times the balance. The mall also features a tracking system that enables **buyers** to track their **purchases** on the **Internet** from **order** to delivery in **real time** .

**26/3,K/27 (Item 9 from file: 583)**
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09014810
E-business: Impact & Implications
ASIA: IBM'S ROLE IN E-COMMERCE, E-BUSINESS
Retail Asia (ABD) Sep 1998 p.10-15
Language: ENGLISH

... an IBM network to co-operate with processed food and household goods makers to share **real - time** sales information and develop a Continuous Replenishment Program, an instant inventory replacement system to cut...

... process by equipping its mobile sales representatives with the technology to access customer data and **order** stock **on - line** from the customer's location. According to Forrester Research, the market for e-commerce, i...

... to market popular local products to clients around the world. Similarly IBM has also installed **interactive** kiosks, that enable shoppers to buy goods ranging from clothes, travel packages to computer games...

... repudiation; Net. Commerce, a complete, scaleable, end-to-end solution for Internet business transactions; Domino. **Merchant** , an easy solution to obtain Notes users enabled with an e-commerce site and Payments...

... for channel distribution and Gateway is a robust, scaleable capacity that connects payment processor to **merchants** and certificates of authority.

**26/3,K/28 (Item 10 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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06669644
SES opens up online network
SINGAPORE: INTERNET SHARES TRADING SOON
The Straits Times (XBB) 8 Aug 1998 P.76
Language: ENGLISH

... Virtual Terminal Interface, a system for member firms to interface directly with its in-house **computerised** trading system to input **orders** for stocks. Vickers Ballas and Lim & Tan Securities will launch their online trading service in two months. Apart from share trading, the joint system will allow share **traders** to access **real - time** stock quotes, historical price charts, investment research and portfolio management tools. The system was developed...

... subsidiary of SES. It uses Netrust Digital certificates to verify

investors as well as an **online ordering** security system to encrypt all order information to ensure confidentiality. Vickers Ballas and Lim & Tan ...

**26/3,K/29 (Item 11 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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06492741
Billions of dollars slip through the sales Net
AUSTRALIA: INTERNET TRADING DISASTROUS
The Australian Financial Review (AFR) 03 Jul 1997 P.1
Language: ENGLISH

... trade on the Internet have competitive advantages over the conventional retailers that exist physically. Internet **traders** can offer more competitive prices to consumers as they can evade Australian taxes and duties...

...such as skis at cheaper prices as sales tax of 22% is not chargeable for **orders** made via the **Internet** . It is estimated that retailers might lose sales revenues of U$ 2 bn if the...

...retailers are very concerned about the situation and urge the government to take corrective actions **immediately** . The Federal government, on the other hand, might lose up to AU$ 600 mn per...

**26/3,K/30 (Item 12 from file: 583)**
DIALOG(R)File 583:Gale Group Globalbase(TM)
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06472904
...as US bank tests E-cash payments
US: **INTERNET** -BASED **PURCHASES** TO BE TESTED
Computer Weekly (CRW) 22 May 1997 p.14
Language: ENGLISH

US: **INTERNET** -BASED **PURCHASES** TO BE TESTED

... be topped up, and has been developed by Visa itself. Broderbund software, a supplier of **interactive** software, and CardMart Greetings, a **seller** of greetings cards, are among the firms taking part in the scheme, which will last...

**26/3,K/31 (Item 13 from file: 583)**
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06283365
CCM to unveil **on - line** hire- **purchase** approval
MALAYSIA: CCM'S ON-LINE BY END 1996
The Star (XAT) 18 Mar 1996 Business p.6
Language: ENGLISH

CCM to unveil **on - line** hire- **purchase** approval

... Malaysia, plans to expand its retail base in the future. It will launch its hire- **purchase** **on - line** service by end 1996. The on line service will enable approval of hire-purchase loan given to potential car **buyers** **immediately** through computer. This provided that the potential **buyer** ' application has met CCM's requirements. Before the approval given, a set of related information will be given to car salesperson by potential car **buyer** . Later, the car salesperson would provide this set of information to CCM branch via computer...

**26/3,K/32 (Item 14 from file: 583)**
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02506266
BT OFFERS ORDER SERVICE FOR DIALCOM PASSWORD DATABASE USERS
UK - BT OFFERS ORDER SERVICE FOR DIALCOM PASSWORD DATABASE USERS
Electronics Times (ECT) 16 February 1989 p3

... Gold. It believes the service will be more popular as Tradanet, the system for sending **electronic** component **orders** via computer, is not **real** **time** . Micro Marketing will continue to use Tradanet in order to shift large segments of information. However, one user of Tradanet believes that as more than 70 suppliers and **buyers** use the network it will remain leader.

**26/3,K/33 (Item 15 from file: 583)**
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02204386
CITICORP REGARDS GLOBE **TRADER** HAS KEY TO FUTURE GROWTH
US - CITICORP REGARDS GLOBE **TRADER** HAS KEY TO FUTURE GROWTH
Wall Street Computer Review (WSCR) 0 October 1988 p12
ISSN: 0738-4343

CITICORP REGARDS GLOBE **TRADER** HAS KEY TO FUTURE GROWTH
US - CITICORP REGARDS GLOBE **TRADER** HAS KEY TO FUTURE GROWTH

... by Citicorp Investment Bank in introducing a technology strategy throughout its international system with Globe **Trader** , a workstation for **traders** , which the company considers to be the key to future growth in the financial market place worldwide. The installation of Globe **Trader** will reduce back-office paperwork, link **traders** and users in a **real** - **time** network, up date **order** entry and record keeping information **on** - **line** . Globe **Trader** is a networked version of Dec VAX2000 workstation and is linked to trading rooms through Dec Net and Ethernet. The Globe **Trader** workstation has been installed in Singapore, Zurich, New York, London, Frankfurt, Hong Kong, Paris and...
?
**27/3,K/1 (Item 1 from file: 65)**
DIALOG(R)File 65:Inside Conferences

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03786992 INSIDE CONFERENCE ITEM ID: CN039800196
**Approche diagnostique d'un syndrome meninge dans un service d'accueil des urgences**
Ferry, R.; Richoux, V.; Bellou, A.; Secondy, M.; Maignan, M.; Deibner, J.; **Peton, P.** ; Lambert, H.
CONFERENCE: Societe nationale Francaise de medecine interne-Congres national; 44
REVUE DE MEDECINE INTERNE, 2000; VOL 22; SUPPL 1 P: 136s
Elsevier, 2001
ISSN: 0248-8663
LANGUAGE: French DOCUMENT TYPE: Conference Abstracts
CONFERENCE SPONSOR: Societe nationale francaise de medecine interne
CONFERENCE LOCATION: Saint-Malo, France 2001; Jun (200106)

Ferry, R.; Richoux, V.; Bellou, A.; Secondy, M.; Maignan, M.; Deibner, J.; **Peton, P.** ; Lambert, H.

**27/3,K/2 (Item 2 from file: 65)**
DIALOG(R)File 65:Inside Conferences
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03786895 INSIDE CONFERENCE ITEM ID: CN039799224
**Mesure du degre de satisfaction des usagers du service d'accueil des urgences en 1997 et en 1999: etude comparative**
Bellou, A.; Barbe, I.; Virion, J. M.; Ferry, R.; Secondy, M.; Ribau, N.; Grandhayes, J. P.; Maignan, M.; Deibner, J.; **Peton, P.**
CONFERENCE: Societe nationale Francaise de medecine interne-Congres national; 44
REVUE DE MEDECINE INTERNE, 2000; VOL 22; SUPPL 1 P: 90s
Elsevier, 2001
ISSN: 0248-8663
LANGUAGE: French DOCUMENT TYPE: Conference Abstracts
CONFERENCE SPONSOR: Societe nationale francaise de medecine interne
CONFERENCE LOCATION: Saint-Malo, France 2001; Jun (200106)

...J. M.; Ferry, R.; Secondy, M.; Ribau, N.; Grandhayes, J. P.; Maignan, M.; Deibner, J.; **Peton, P.**
?

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Set Items Description
S1 18176099 ORDER OR ORDERS OR ORDERING
S2 9458767 PURCHASE OR PURCHASES OR PURCHASING
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S4 200438 (S1 OR S2)(5N)INTERNET
S5 6607 WOM OR WEB(1W)ORDER()MANAGEMENT
S6 14743587 REAL()TIME OR REALTIME OR INTERACTIV? OR ITERATIVE? OR BAC-K()FORTH OR BACKWARD()FORWARD OR DYNAMIC? OR SIMULTAN? OR CUR-RENT? OF INSTANT? OR IMMEDIAT? OR INSTANTAN? OR ON(1W)FLY
S7 1369683 TRADE()(CLIENT?? OR CUSTOMER??) OR TRADER OR TRADERS
S8 6026905 VENDOR? OR SELLER? OR MERCHANT?
S9 3533233 CUSTOMER()SPECIFIC OR BUYER??
S10 162666 TRUCKLOAD? OR (TRUCK OR FULL OR TRAILER??)(1W)(LOAD OR LOA-DS)
S11 53144 QUALITY(3N)(ORDER OR ORDERS)
S12 938 S11(5N)(CREAT? OR GENERAT?)
S13 222 S11(5N)(VALID? OR AUTHENTICAT? OR APPROV? OR AUTHORIZ? OR -AUTHORIS?)
S14 25759 (ONLINE OR ON()LINE)(5N)(SESSION OR SESSIONS)
S15 2116 S14(5N)(ONE OR SINGLE OR SAME OR SOLE)
S16 0 AU=(PETON, P? OR PETONG P? OR PATRICE(2)PETONG)
S17 1463299 S3:S5
S18 19441 S17(5N)S6
S19 803 S18(5N)(S7:S9)
S20 0 S19(5N)(S10 OR S12 OR S13)
S21 0 S19(5N)A15
S22 0 S19(5N)S11
S23 27 S19(5N)SHIPPING
S24 10 RD (unique items)
S25 2 S19 AND S10
S26 5 S19 AND S11
S27 5 S26 NOT S25

S28 1 RD (unique items)
?

**24/3,K/1 (Item 1 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
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60081404 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Litle & Co. Offers HoliCents for Merchants and Consumers this Holiday Season**
PR NEWSWIRE (US)
November 14, 2007
JOURNAL CODE: WPRU LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1221

... confirmation of your purchase, shipping method etc. And, it's always advisable to work with **merchants** who offer **real - time online** tracking of your **purchase** and its **shipping** . And, with their push-back-to-the-web, most catalog retailers also offer this service...

**24/3,K/2 (Item 2 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
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14001176 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**MAPICS, Inc. Announces Aggressive Plans for New Collaborative Storefront**
BUSINESS WIRE
November 29, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 858

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... TeamWeRX Commerce enables customers to search their manufacturer's Web site and online catalog for **immediate** product information such as **online order** status, inventory availability and **customer** specific pricing. Customers may specify desired **shipping** options including automatic calculation of freight charges and tracking number assignments, and specify payment options...

**24/3,K/3 (Item 3 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
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09340856 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Irvine, Calif.-Based Online Grocer Fills Top Position**
Christine Malamanig
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (BAKERSFIELD CALIFORNIAN)
January 29, 2000
JOURNAL CODE: KBKC LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 261

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the Web site was operational in early October 1999. The online business connects buyers and **sellers** in the produce industry, offering **real - time** quotes and **online ordering** and **shipping** information.
Flood said he will miss working in Bakersfield. "If there's a better family...

**24/3,K/4 (Item 4 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
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06623367 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Concentric Network Unleashes Latest E-Commerce Service Package, Offering Real-Time Transaction Processing and Advanced Merchandising Tools**
PR NEWSWIRE
August 10, 1999
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 895

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... products and departments, back-office administration tools, advanced store reporting, customer management tools, built-in **shipping** and tax calculator, **real - time** credit card processing with secure **order** /payment encryption and an **automated Internet Merchant** Account application process. Concentric provides free technical support, available 24 hours a day, 7 days...

**24/3,K/5 (Item 1 from file: 610)**
DIALOG(R)File 610:Business Wire
(c) 2008 Business Wire. All rts. reserv.

00418387 20001129334B6324 (USE FORMAT 7 FOR FULLTEXT)
**MAPICS, Inc. Announces Aggressive Plans for New Collaborative Storefront-TeamWeRX Commerce to Provide Manufacturers with Framework for Online Catalog Solution**
Business Wire
Wednesday, November 29, 2000 14:33 EST
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 854

TeamWeRX Commerce enables customers to search their manufacturer's Web site and online catalog for **immediate** product information such as **online order** status, inventory availability and **customer specific** pricing. Customers may specify desired **shipping** options including automatic calculation of freight charges and tracking number assignments, and specify payment options...

**24/3,K/6 (Item 1 from file: 613)**
DIALOG(R)File 613:PR Newswire
(c) 2008 PR Newswire Association Inc. All rts. reserv.

0002706354 I077104B092B711DC9C29EBE40FA6DE98 (USE FORMAT 7 FOR FULLTEXT)
**Litle & Co. Offers HoliCents for Merchants and Consumers this Holiday Season Practical sense for both merchants and consumers to save time, hassle and cents in card-not-present transactions between merchant and consumer**
PR Newswire
Wednesday, November 14, 2007 T13:00:00Z
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 1,264

...confirmation of your purchase,

shipping method etc. And, it's always advisable to work with

**merchants** who offer **real - time online** tracking of your **purchase** and its

**shipping** . And, with their push-back-to-the-web, most catalog

retailers also offer this service...

**24/3,K/7 (Item 1 from file: 813)**
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1124074 NYM105
**AT&T and HP Strategic Alliance to Deliver New Electronic Commerce Services; Collaboration Focuses on E-Commerce, Intranets, and Extranets**

DATE: July 14, 1997 11:23 EDT WORD COUNT: 1,111

...its high-speed
links into financial processing networks

-- automatically calculates U.S. sales tax and **shipping** charges

-- performs **real - time** credit-line checks

-- provides **electronic order** notification to **sellers**

-- creates digital receipts for AT&T SecureBuyers, "smart statements" that
list and track purchases for...

**24/3,K/8 (Item 2 from file: 813)**
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0978416 DCTU012

**SPACEWORKS OFFERS SUITE OF INTERNET-BASED BUSINESS-TO- BUSINESS ELECTRONIC COMMERCE SOFTWARE PRODUCTS**

DATE: July 30, 1996 10:16 EDT WORD COUNT: 777

...orders received directly into back-office

systems

Credit card payment authorization and product allocation to **buyers**

in **real time**

**Electronic** verification of government **purchase orders**

Customer specification of **shipping** and billing options

Distribution of sales leads and product information to dealers and

sales reps...

**24/3,K/9 (Item 1 from file: 275)**
DIALOG(R)File 275:Gale Group Computer DB(TM)


02490702 SUPPLIER NUMBER: 72607509 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Newproducts.(Product Announcement)**
Enterprise Systems Journal, 16, 4, 54
April, 2001
DOCUMENT TYPE: Product Announcement ISSN: 1053-6566 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 792 LINE COUNT: 00073

... TeamWeRX Commerce enables customers to search their manufacturer's Web site and online catalog for **immediate** product information, such as **online order** status, inventory availability and **customer specific** pricing. Customers may specify desired **shipping** options, including automatic calculation of freight charges and tracking number assignments, and specify payment options...

**24/3,K/10 (Item 1 from file: 635)**
DIALOG(R)File 635:Business Dateline(R)


0724399 96-82898
**SpaceWorks offers suite of Internet-based business-to-business electronic commerce software products**
Sara, Liz
PR Newswire (New York, NY, US) p1
PUBL DATE: 960730
WORD COUNT: 723
DATELINE: Rockville, MD, US, South Atlantic

TEXT:

...orders received directly into back-office

systems

* Credit card payment authorization and product allocation to **buyers**

in **real time**

* **Electronic** verification of government **purchase orders**
* Customer specification of **shipping** and billing options

* Distribution of sales leads and product information to dealers and

sales reps...

? **25/3,K/1 (Item 1 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
(c) 2008 Dialog. All rts. reserv.

45225692 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**JLG Industries 2005 Analyst Field Trip - Morning Session - Part 2**
FAIR DISCLOSURE WIRE
October 01, 2005
JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 4126

... works by having barcode labels, labeled bins that simply get scanned when empty. This activity **immediately** places and **electronic order** directly to the **vendor** to replenish that bin. As I presented last year, just in time has taken us...

... themselves. We still use milk runs to increase deliveries without increased rate costs by consolidating **truckloads** for less than **truckload** quantities. Today, in order to significantly reduce shipping costs on the large raw mats (ph...

**25/3,K/2 (Item 2 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
(c) 2008 Dialog. All rts. reserv.

36327051 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**JLG Industries Analyst Meeting - Part 2**
FAIR DISCLOSURE WIRE
June 08, 2004
JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 4429

... works by having bar coded label bins that simply get scanned when empty. This activity **immediately** places an **electronic order** directly to the **vendor** to replenish the bin. Not too long ago, just in time was cutting edge at...

... vendors themselves. We use melfrins (ph) to increase deliveries without increased freight costs by consolidating **truckloads** for the less than

**truckload** supplies. Just for example, we have recently added 10 distinct melfrins to service component part...
?
**28/3,K/1 (Item 1 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
(c) 2008 Dialog. All rts. reserv.

12887167 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Sightstreet.com Launches E-Commerce Marketplace for Ophthalmic Community**
PR NEWSWIRE
September 18, 2000
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 969

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... communication eliminates order errors, achieves faster delivery turnaround and improves the overall quality of the **order** transaction process, thereby creating a more efficient ophthalmic industry.
"Sightstreet.com's proprietary technology and...
?

# ADDITIONAL FILES

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(c) format only 2008 Dialog
File 2:INSPEC 1898-2008/Feb W4
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File 5:Biosis Previews(R) 1926-2008/Mar W3
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(c) 2008 PRA Coat. Tech. Cen.
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(c) 2006 ABC CLIO Inc.
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(c) 2008 The Gale group
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(c) 2007 Cambridge Scientific Abstracts Inc.
File 50:CAB Abstracts 1972-2008/Feb
(c) 2008 CAB International
File 51:Food Sci.&Tech.Abs 1969-2008/Mar W3
(c) 2008 FSTA IFIS Publishing
File 52:TSCA Chemical Substances Inventory 2003/OCT
(c) 2005 ACS
File 53:FOODLINE(R): Science 1972-2008/Mar 19
(c) 2008 LFRA
File 54:FOODLINE(R): Market 1979-2008/Mar 20
(c) 2008 LFRA
File 56:Computer and Information Systems Abstracts 1966-2008/Feb

(c) 2008 CSA.
File 57:Electronics & Communications Abstracts 1966-2008/Mar
(c) 2008 CSA.
File 58:GeoArchive 1974-2008/Jan
(c) 2008 Geosystems
File 59:FOODLINE(R): LEGAL 1972-2007/NOV 29
(c) 2008 LFRA
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(c) 2008 CSA.
File 61:Civil Engineering Abstracts. 1966-2008/Mar
(c) 2008 CSA.
File 62:SPIN(R) 1975-2008/Mar W1
(c) 2008 American Institute of Physics
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(c) fmt only 2008 Dialog
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(c) 2008 CSA.
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(c) format only 2008 Dialog
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(c) 2008 Elsevier B.V.
File 68:Solid State & Superconductivity Abstracts 1966-2008/Feb
(c) 2008 CSA.
File 70:SEDBASE 1996/Jan Q1
(c) 2006 Elsevier B.V.
File 71:ELSEVIER BIOBASE 1994-2008/Mar W2
(c) 2008 Elsevier B.V.
File 73:EMBASE 1974-2008/Mar 20
(c) 2008 Elsevier B.V.
File 74:Int.Pharm.Abs 1970-2008/Jan B2
(c) 2008 The Thomson Corporation

Set Items Description
S1 17090289 (ORDER OR ORDERS OR ORDERING(5N)(REAL()TIME OR REALTIME OR INTERACTIV? OR ITERATIVE? OR BACKWARD()FORWARD OR DYNAMIC? OR SIMULTAN? OR CURRENT? OF INSTANT? OR IMMEDIAT? OR INSTANTAN? - OR ON(1W)FLY))
S2 526 S1(5N)(WOM OR WEB(1W)ORDER()MANAGEMENT)
S3 93940 TRUCKLOAD? OR (TRUCK OR FULL OR TRAILER??)(1W)(LOAD OR LOADS)
S4 7 S2 AND S3
S5 5 RD (unique items)
S6 0 S2 AND (QUALITY()(ORDER OR ORDERS OR ORDERING))
S7 21495 S1(5N)(CUSTOMER()SPECIFIC OR BUYER??)
S8 764552 S1(5N)(ONLINE OR ON()LINE OR COMPUTER1? OR AUTOMATE? OR ELECTRONIC?)
S9 1687 S8 AND S3
S10 25 S9 AND (CUSTOMER()SPECIFIC)
S11 25 S10 NOT S5
S12 12898 (ONLINE OR ON()LINE)(5N)(SESSION OR SESSIONS)
S13 1043 S12(5N)(ONE OR SINGLE OR SAME OR SOLE)
S14 0 S13 AND S11
S15 23 RD S11 (unique items)

S16 13 S15 NOT PY>2001
?

**5/3,K/1 (Item 1 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)


02093405 63936690
**Warehouse offers...one-stop shopping for dot-coms**
Trunk, Christopher
Material Handling Management v55n12 PP: 53-58 Nov 2000
ISSN: 1529-4897 JRNL CODE: MTH
WORD COUNT: 2400

...ABSTRACT: product photography of incoming goods to update a dot-com catalog, Web site hosting and **Web order management**, software-directed inventory control and orderpicking, state-of-the-art scalable material handling systems, value...
...TEXT: product photography of incoming goods to update your dot-com catalog;

* Web site hosting and **Web order management**;

* Software-directed inventory control and orderpicking; - State-of-the-art, scalable material handling systems; -Value...and weighs SKUs upon receipt. Shipments are received in containers, by air freight, parcel, full **truckload** and LTL shipments. Orders are processed through the iristaFulfdl logistics execution system software.

The iristaFulfill...the above software from irista, www.irista.com; e-mail to randy.randolph@irista.com.

* **Web order management** software, InterWorld, www.interworld.com.

* Server hosting software, Exodus, www.eos.net/exodus.html.

ERP...

**5/3,K/2 (Item 1 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)


12791984 Supplier Number: 139964079 (USE FORMAT 7 FOR FULLTEXT)
**Transportation 3PL Provider/Broker Genpro, Inc. Opts for Headwater Technology Solutions Inc. TMS, Projects January Cutover to New System.**
Business Wire, pNA
Dec 20, 2005
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 761

... Dade City facility. The solution incorporates BOOMI Middleware software, as well as Microdea document imaging, **web order management**

and Great Plains Accounting software. The company intends also to utilize Headwater's d'Amigo...

...or hour, truck, driver, lane, customer or any combination of segments. It combines Less-Than- **Truckload** , **Truckload** , Pickup & Delivery (P&D) and Cartage functionality for Asset, Non-Asset and Logistics operations in...

**5/3,K/3 (Item 2 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)


09341567 Supplier Number: 81112529 (USE FORMAT 7 FOR FULLTEXT)
**End to end. (The Supply Chain Of the future).**
Modern Materials Handling, v56, n14, pS3(6)
Dec, 2001
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 3434

... That might include the amount of inventory on a shelf, or the fact that a **truckload** of anticipated inventory is stuck on the road. The goal is to capture that real...an Order Management System (OMS) to capture the order by phone, fax, EDI, or the **Web** .

**Order management** systems of the past were a function of an ERP system: they checked credit, passed...

**5/3,K/4 (Item 3 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)


08408858 Supplier Number: 71555105 (USE FORMAT 7 FOR FULLTEXT)
**Logistics/Supply Chain Order Management Platform Introduced At VENDEX Trade Show.**
Business Wire, p2257
March 12, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 675

... major U.S. grocery manufacturers attending this year's VENDEX conference the benefits of logistical **web order management** and the streamlining of velocity products within the grocery supply chain to effectively manage order flow. They also pointed out that retailers and small wholesalers benefit by **truckload** pricing for key consumer branded products.

Don Butler, formerly with Procter & Gamble and a director of DealByNet, explained to manufacturers how streamlined logistics and **web order management** , a program he helped implement for P&G in 1998, reduces cost for the retailer...

...well as the grocery manufacturer.

"DealByNet has developed extraordinary customer profiling data structures for logistical **web order management** in the grocery industry. BETA testing for the P&G pilot web order system, which...

**5/3,K/5 (Item 4 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)


08111367 Supplier Number: 67588142 (USE FORMAT 7 FOR FULLTEXT)
**Warehouse Offers ... One-Stop Shopping for Dot-Coms.(GATX Logistics Inc.)**
Trunk, Christopher
Material Handling Management, v55, n12, p53
Nov, 2000
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2220

... product photography of incoming goods to update your dot-com catalog;
* Web site hosting and **Web order management**;
* Software-directed inventory control and orderpicking;
* State-of-the-art, scalable material handling systems;
* Value...

...and weighs SKUs upon receipt. Shipments are received in containers, by air freight, parcel, full **truckload** and LTL shipments. Orders are processed through the iristaFulfill logistics execution system software.
The iristaFulfill...the above software from irista, www.irista.com; e-mail to randy. Randolph@irista.com.
* **Web order management** software, InterWorld, www.interworld.com.
* Server hosting software, Exodus, www.eos.net/exodus.html.
* ERP...
?
**16/3,K/1 (Item 1 from file: 13)**
DIALOG(R)File 13:BAMP


00698564 Supplier Number: 25684127 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Manufacturers flee volume-driven space**
(To manage the e-commerce trend, rethinking of the production process, including postponing value-added, and strong technological support at all levels is needed)
Article Author(s): Mann, Paul
Manufacturing Systems, v 18, n 5, p 32-34,108
May 2000
DOCUMENT TYPE: Journal ISSN: 0748-948x (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2532

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...a manufacturer also makes life more challenging. Consider the Internet. The same technology that enables **on - line order** taking and supply chain collaboration also enables competitors half a world away to win business...

...schedules, you see when your customer might need additional product, and organize yourself so tractor- **trailer loads** of your product show up just when its needed."

Equally important is the finite capacity...

...The system provides a Web storefront with the expected customer self-service capabilities, along with **customer - specific** pricing and contract or purchase order buying capabilities.

e-Procurement, a new on-line procurement...

**16/3,K/2 (Item 1 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)


02640207 370629541
**Business strategy drives e-commerce, flexible IT architecture for Riverwood**
Shaw, Monica
Pulp & Paper v75n5 PP: 31-33 May 2001
ISSN: 0033-4081 JRNL CODE: PUP
WORD COUNT: 2299

...ABSTRACT: overloaded with functionality, Riverwood has chosen a lean, flexible one that can be enhanced for **customer - specific** purposes. It is centered around an enterprise resource planning (ERP) system with complementary/integrated roll...
...TEXT: overloaded with functionality, Riverwood has chosen a lean, flexible one that can be enhanced for **customer - specific** purposes. It's centered around an enterprise resource planning (ERP) system with complementary/integrated roll...

...Atlanta, with many currently placed by phone or fax. Currently, a relatively small percentage of **orders** are made using **electronic** data interchange (EDI) or the Internet.

After paperboard orders are entered into the ERP system...just for the sake of having one. Currently, Riverwood's Web site does feature an **online order** entry page. Developed in collaboration with a major customer, the form is posted to demonstrate...

...you can point and click to put rolls of paper in your shopping cart, the **online order** entry on our site is mostly there to attract potential interest," explains Storey. "We're...

...and at least one paperboard customer. One of these collaborative e-commerce pilots produced the **online order** entry feature shown on Riverwood's Web site. In addition, Storey says the company is...
...detailed business rules is key. For example, what constitutes an order? Is it a full **truckload** ? Is it one item that fills up a **truckload** or multiple items on the same truck? And, if you share demand planning information with...

**16/3,K/3 (Item 2 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)


00681933 93-31154
**It's not just bells and whistles**
Bowman, Robert
Distribution v92n2 PP: 30-34 Feb 1993
ISSN: 0273-6721 JRNL CODE: DWW
WORD COUNT: 1912

...TEXT: volumes. Nearly all of Root's business is concentrated with less than 30 service providers.

**Truckload** carrier Schneider National Inc., recently spent $28 million on a dedicated terminal adjacent to LOF...

...delivers special films to hospitals and other Innogrphics customers no later than 72 hours from **order** entry.

**Electronic** data interchange isn't value-added by definition anymore. "It's become a requisite calling...

...current threshold of around 750 miles.
The best value-added solutions are also the most **customer - specific** . Don Veidt, assistant vice president, marketing of forest products with the Union Pacific Railroad, was...

**16/3,K/4 (Item 1 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)


08689537 Supplier Number: 75274484 (USE FORMAT 7 FOR FULLTEXT)
**XML Bill of Lading Added to CON-WAY'S E-Business Offerings; New Data Transfer Tool Offers Speed and Flexibility to Customers.**
Business Wire, p2451
June 5, 2001
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1156

... of the new e-business tool will enable any of CON-WAY's less-than-**truckload** (LTL) customers to bring forward data from their order entry system, automatically populate a bill...

...seller of a product receives an order from their customer.
More and more of these **orders** are being collected in **electronic** format. They can come in the form of customer entries on a web site where ...

...of collections and profit measurement. If invoicing is triggered at time of delivery, customer-unique **order** numbers attached to **electronic** delivery notices and invoices can be automatically generated.
The electronic version of the CON-WAY...

...value-added to all parties in the transaction."

CON-WAY already has XML links for **customer - specific** rates, generic rates from its public tariff, and shipment tracking and tracing. The addition of...

...services for commercial and industrial businesses. Within the CON-WAY family are regional less-than- **truckload** carriers Con-Way Central Express, Con-Way Southern Express, Con-Way Western Express and Con...

**16/3,K/5 (Item 2 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)


07050990 Supplier Number: 58317180 (USE FORMAT 7 FOR FULLTEXT)
**Strategic issues in supply chain management.(includes related article on Optum Inc., McHugh Software, MK Group, supply chain integration and J.D. Edwards)**
Harrington, Lisa H.
Material Handling Engineering, v54, n1, pSCC1(7)
Jan 1, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 4528

... For example: I plan to handle X number of orders and ship them by the **truckload** , but in reality, I get fewer, smaller orders so I have to ship them more...management and comprehensive transportation solutions, Optum delivers integrated and optimized fulfillment business processes that are **customer - specific** . From order creation to product delivery, the Optum SCE Series offers mass customization capabilities for...speed the transfer of information.

A more interactive method to tie organizations together is via **real time Electronic** Commerce **ordering** , confirmation, and lookup systems like MK eCommerce. One of the most satisfying parts of this...

**16/3,K/6 (Item 3 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)


06093726 Supplier Number: 53638603 (USE FORMAT 7 FOR FULLTEXT)
**SUPPLY CHAIN MANAGEMENT.(overview of Supply Chain Operations Reference model)(Abstract)**
Harrington, Lisa H.
Industry Week, v248, n2, pSCC1(1)
Jan 18, 1999
Language: English Record Type: Fulltext
Article Type: Abstract
Document Type: Magazine/Journal; Trade
Word Count: 6409

... For example: I plan to handle X number of orders and ship them by the **truckload** , but in reality, I get fewer, smaller orders so I have to ship them more...management and comprehensive transportation solutions, Optum delivers integrated and optimized fulfillment business processes that are **customer - specific** . From order creation to product delivery, the

Optum SCE Series offers mass customization capabilities for...

...speed the transfer of information.
A more interactive method to tie organizations together is via **real time Electronic** Commerce **ordering**, confirmation, and lookup systems like MK eCommerce. One of the most satisfying parts of this...

**16/3,K/7 (Item 4 from file: 16)**
DIALOG(R)File 16:Gale Group PROMT(R)


03806745 Supplier Number: 45427935 (USE FORMAT 7 FOR FULLTEXT)
**Ralston-Purina Price Plan: Wholesale Shift**
Brandweek, v0, n0, p2
March 27, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 391

... and Purina plans to convert all customers on Oct. 1. In October '96, it plans **customer - specific**, activity-based pricing. Ralston now seeks retailer feedback to refine the system.
Purina's base price is for full **truckloads** packed on slipsheets; it'll charge extra for pallets, driver unloads and multi-stops, with discounts for retailer pick-ups and direct from plant shipments. There are other incentives for **electronic** data interchange **orders**, and continuous replenishment setups.
'Stronger retailers know menu pricing gives them an advantage; if they ...

**16/3,K/8 (Item 1 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter


14089253 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**E-Commerce Connections Enhance CON-WAY Customers' Web Sites and Sales**
BUSINESS WIRE
December 05, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1020

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... bring greater convenience to the ultimate buyer of the product. The XML transaction links provide **customer - specific** rating and shipment tracking and tracing.
"As a marketer I'd love to see our...

... Internet site in late 1999. They asked Con-Way Southern Express, their primary less-than- **truckload** (LTL) carrier, if they could support their site to provide their customers with instant and...

... services for commercial and industrial businesses. Within the CON-WAY family are regional less-than- **truckload** carriers Con-Way Central Express,

Con-Way Canada Express, Con-Way Southern Express, Con-Way...

NAICS CODES/DESCRIPTIONS: 514191 (On-Line Information Services); 45411 ( **Electronic** Shopping & Mail- **Order** Houses)

**16/3,K/9 (Item 2 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter


13780423 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Overnite Unveils 'MyOvernite'**
PR NEWSWIRE
November 14, 2000
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 447

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... electronic delivery of images of their transportation documents, including delivery receipts, bills of lading and **customer specific** shipment status reports. The site also allows customers immediate access to all service enhancements, information...

... long-haul capabilities, reported revenue in excess of $1 billion in 1999. The less-than- **truckload** carrier has 13,000 employees and operates 166 service centers serving more than 45,000...

NAICS CODES/DESCRIPTIONS: 514191 (On-Line Information Services); 45411 ( **Electronic** Shopping & Mail- **Order** Houses)

**16/3,K/10 (Item 3 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter


12304108 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**CON-WAY Adds More E-Commerce Features To Web Site;** Customer Specific **Rate Quotes and Listings of Frequent Vendors and Customers Now Provided to Registered Users**
BUSINESS WIRE
August 08, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 460

(USE FORMAT 7 OR 9 FOR FULLTEXT)
**CON-WAY Adds More E-Commerce Features To Web Site;** Customer Specific **Rate Quotes and Listings of Frequent Vendors and Customers Now Provided to Registered Users**

... they conduct business with us," said Bryan Millican, executive vice president, sales and marketing. "The **customer - specific** rating program will provide our registered customers with highly accurate data that can be utilized...

... services for commercial and industrial businesses. Within the CON-WAY

family are regional less-than- **truckload** carriers Con-Way Central Express, Con-Way Southern Express, Con-Way Western Express and Con-Way Canada Express; Con-Way **Truckload** Services, providing multi-modal, full **truckload** shipping; Con-Way NOW, an expedited carrier specializing in emergency shipment service; and Con-Way...

NAICS CODES/DESCRIPTIONS: 514191 (On-Line Information Services); 45411 ( **Electronic** Shopping & Mail- **Order** Houses)

**16/3,K/11 (Item 4 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
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11702084 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Roadway Scores High On Ecommerce Capabilities**
BUSINESS WIRE
June 27, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 645

...secure, password-protected area of Roadway's Web site that provides shippers with access to **customer - specific** real-time shipping information and services.
According to a recent survey of commercial shippers taken...

... Reports (in development) are the most important. Customers ranked Roadway highest among national less-than- **truckload** providers and in the top ten among all transportation companies for its overall eCommerce capabilities.

NAICS CODES/DESCRIPTIONS: 52311 (Investment Banking & Securities Dealing); 45411 ( **Electronic** Shopping & Mail- **Order** Houses)

**16/3,K/12 (Item 5 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter
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11265412 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**CON-WAY "E"-Commerce Capabilities Ranked First Among L-T-L Carriers; Use Of CON-WAY Web Site Growing At Over 20% Month-Over-Month**
BUSINESS WIRE
May 30, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 662

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of Con-Way Transportation Services (CON-WAY) to be the highest of any less-than- **truckload** (L-T-L) carrier in the U.S.
According to the survey results Morgan Stanley...
... its customers as simple as tracking the current status of a single shipment to detailed, **customer - specific** reports showing all transactions over the last 13 months. Also included are reports showing CON
...

... services for commercial and industrial businesses. Within the CON-WAY family are regional less-than- **truckload** carriers Con-Way Central Express, Con-Way Southern Express, Con-Way Western Express and Con-Way Canada Express; Con-Way **Truckload** Services, providing multi-modal, full **truckload** shipping; Con-Way NOW, an expedited carrier specializing in emergency shipment service; and Con-Way...

NAICS CODES/DESCRIPTIONS: 52311 (Investment Banking & Securities Dealing); 514191 (On-Line Information Services); 45411 ( **Electronic** Shopping & Mail- **Order** Houses)

**16/3,K/13 (Item 6 from file: 20)**
DIALOG(R)File 20:Dialog Global Reporter


10765960 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**CON-WAY Adds More E-Commerce Functions to Website; Company Cites Growth and Long Term E-commerce Strategy as Reasons**
BUSINESS WIRE
April 27, 2000
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1230

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... electronic bill of lading feature will allow customers to fill out a complete less-than- **truckload** bill of lading on the web site and transmit it to CON-WAY. This will...

... screen on the web page. Access to PowerTools requires user registration since the function provides **customer - specific** transaction data that can only be viewed under secured conditions.

The Canadian currency feature is... services for commercial and industrial businesses. Within the CON-WAY family are regional less-than- **truckload** carriers Con-Way Central Express, Con-Way Southern Express, Con-Way Western Express and Con-Way Canada Express; Con-Way **Truckload** Services, providing multi-modal, full **truckload** shipping; Con-Way NOW, an expedited carrier specializing in emergency shipment service; and Con-Way...

NAICS CODES/DESCRIPTIONS: 514191 (On-Line Information Services); 45411 ( **Electronic** Shopping & Mail- **Order** Houses)
?